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FIG. 1

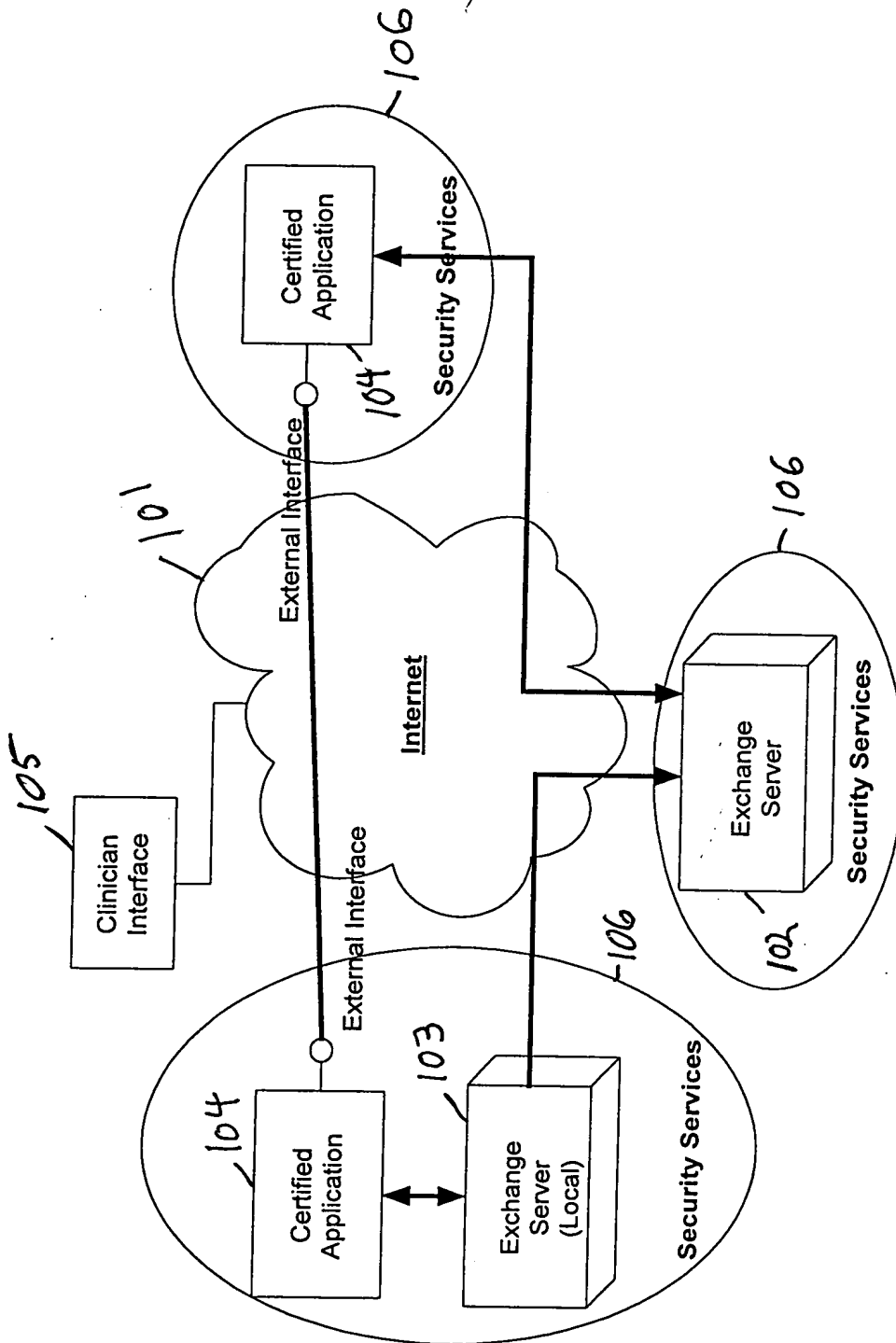


FIG. 1

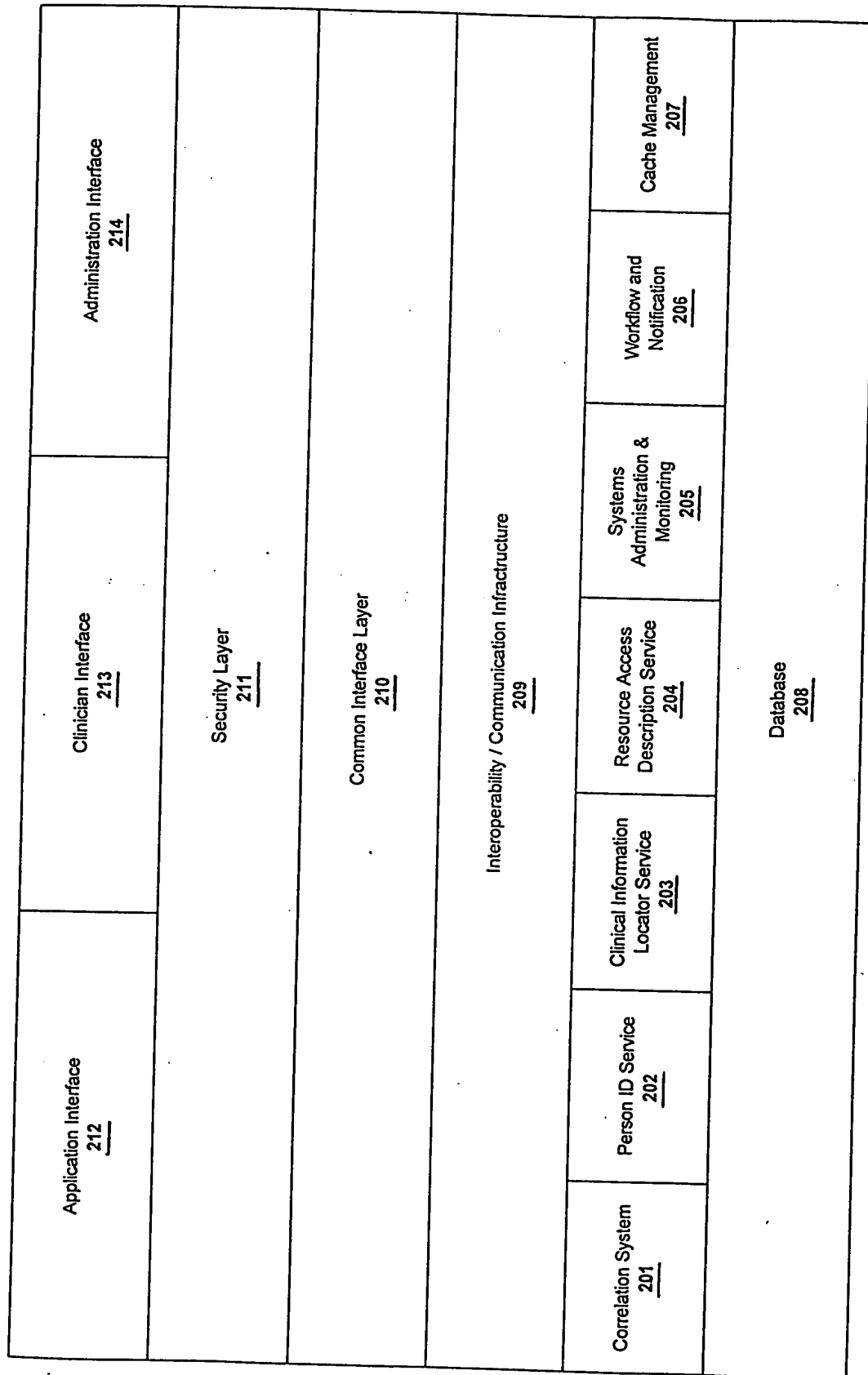


FIG. 2

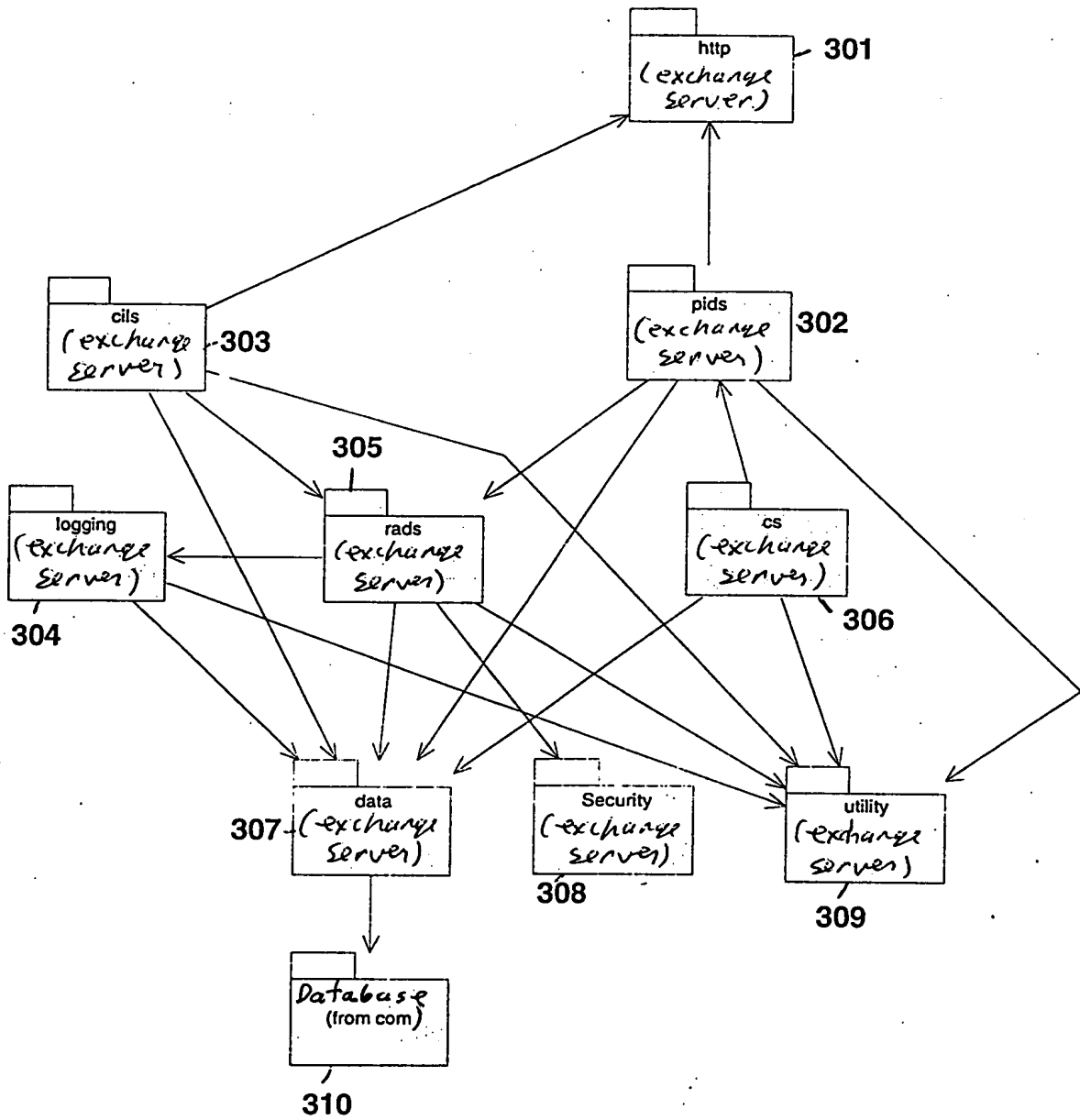


FIG. 3

FIG. 4

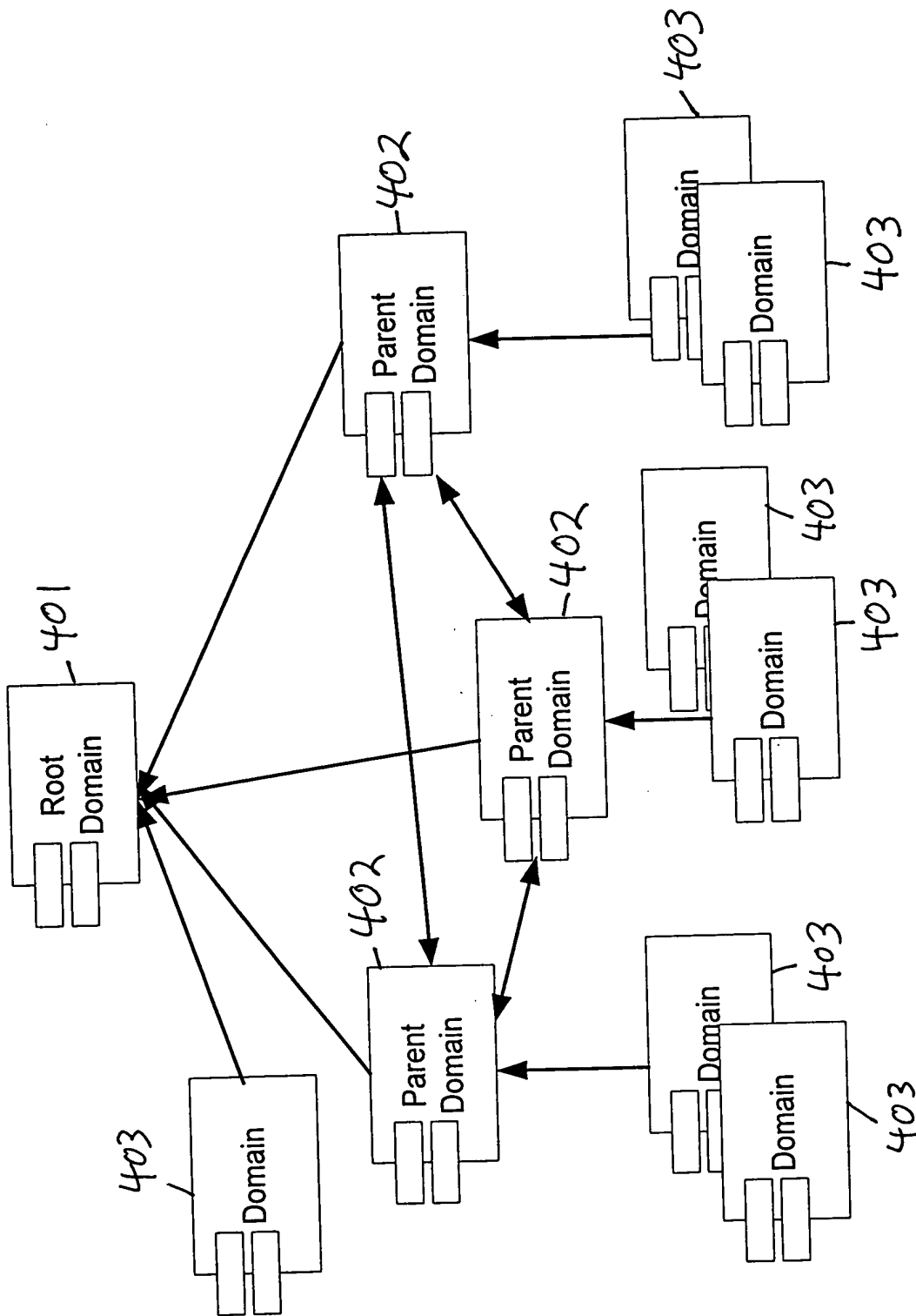


FIG. 4

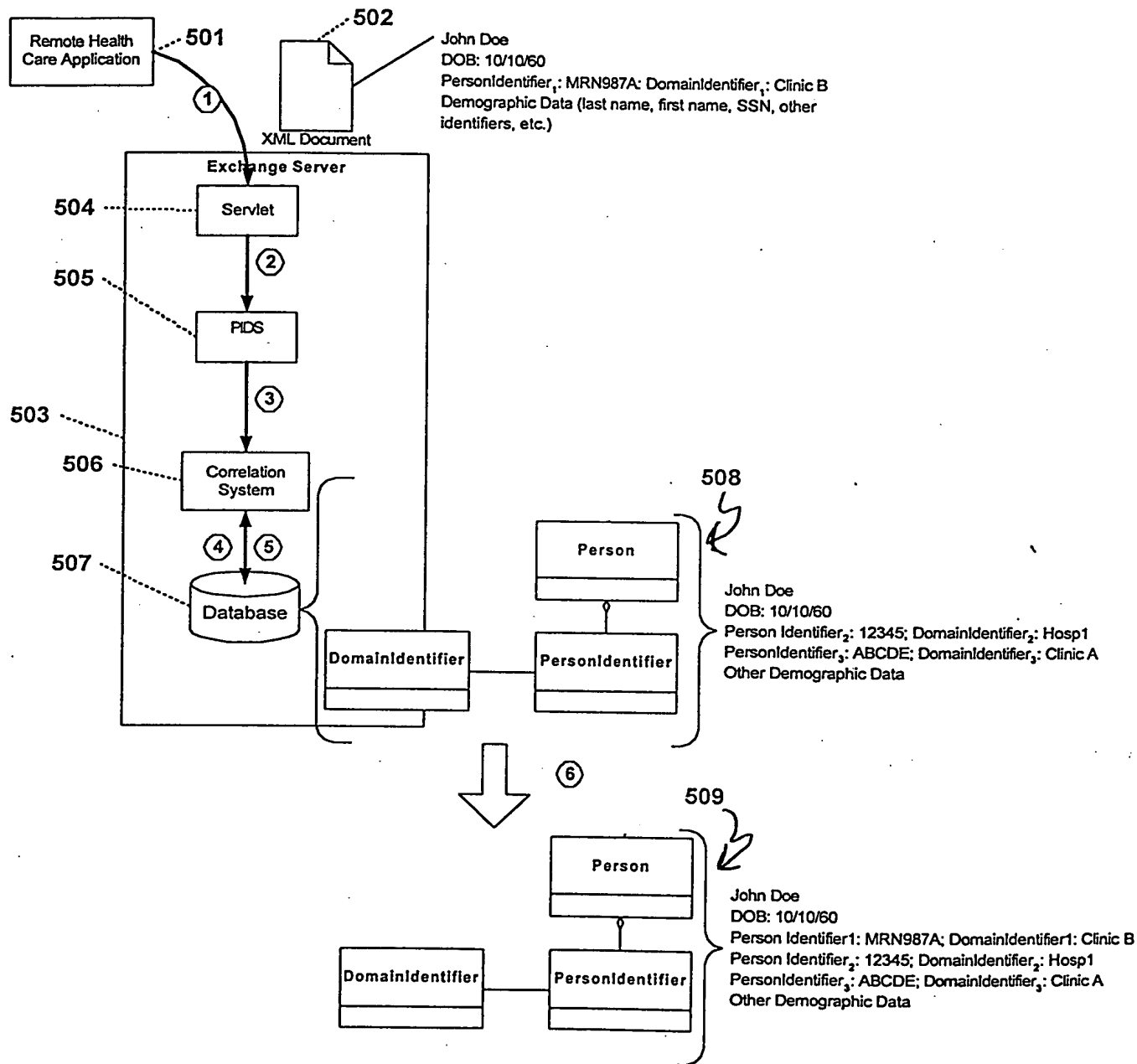


FIG. 5

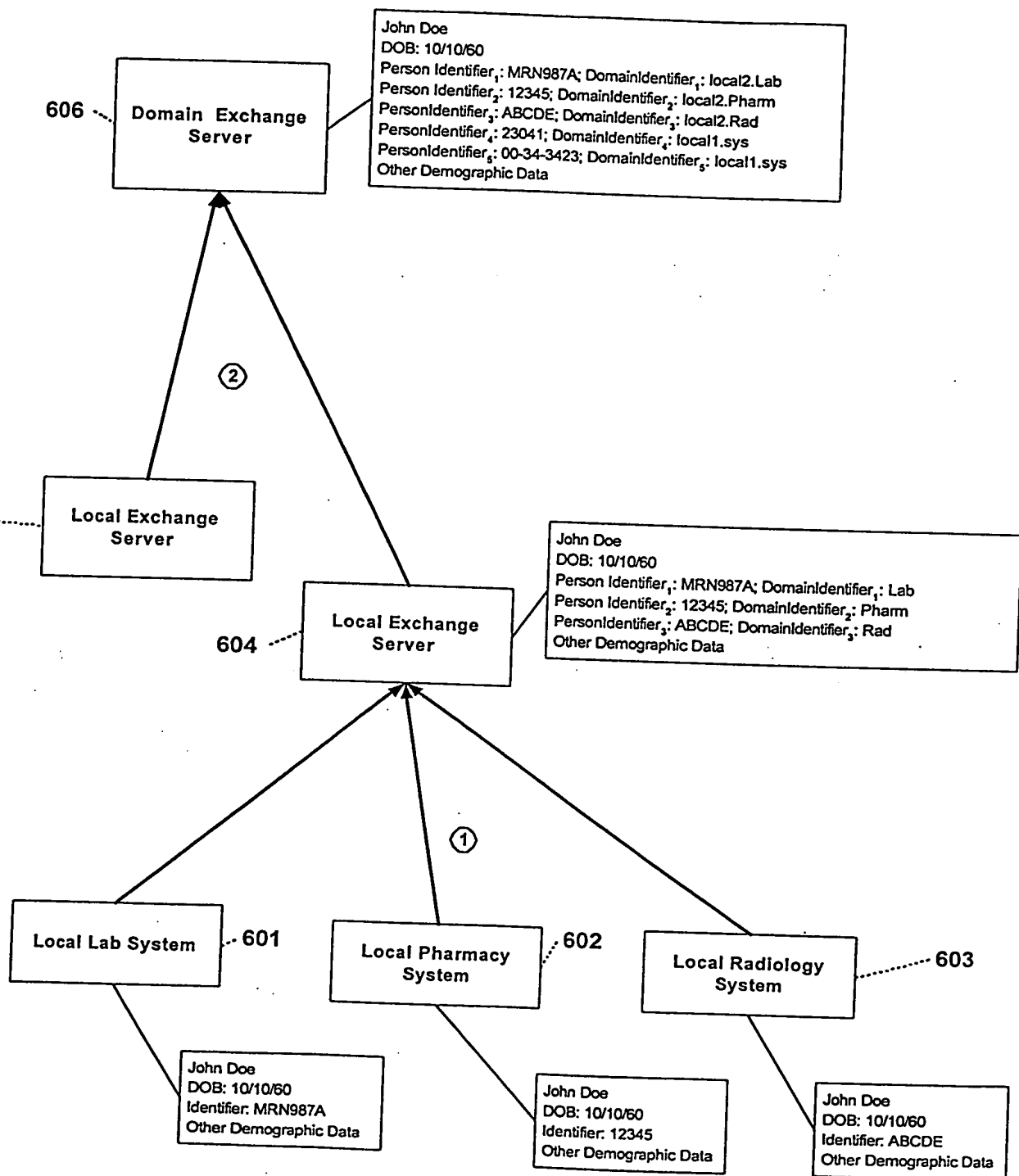


FIG. 6

FIG. 7

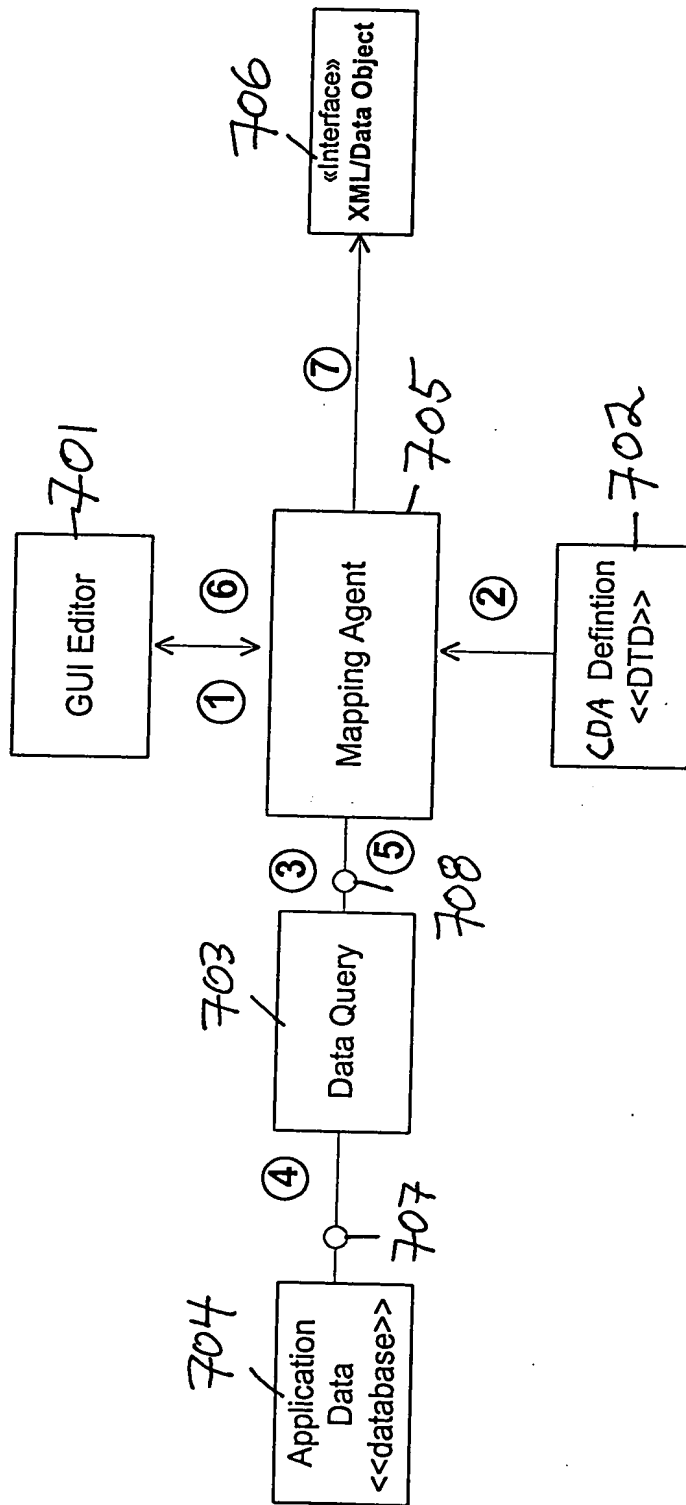


FIG. 7





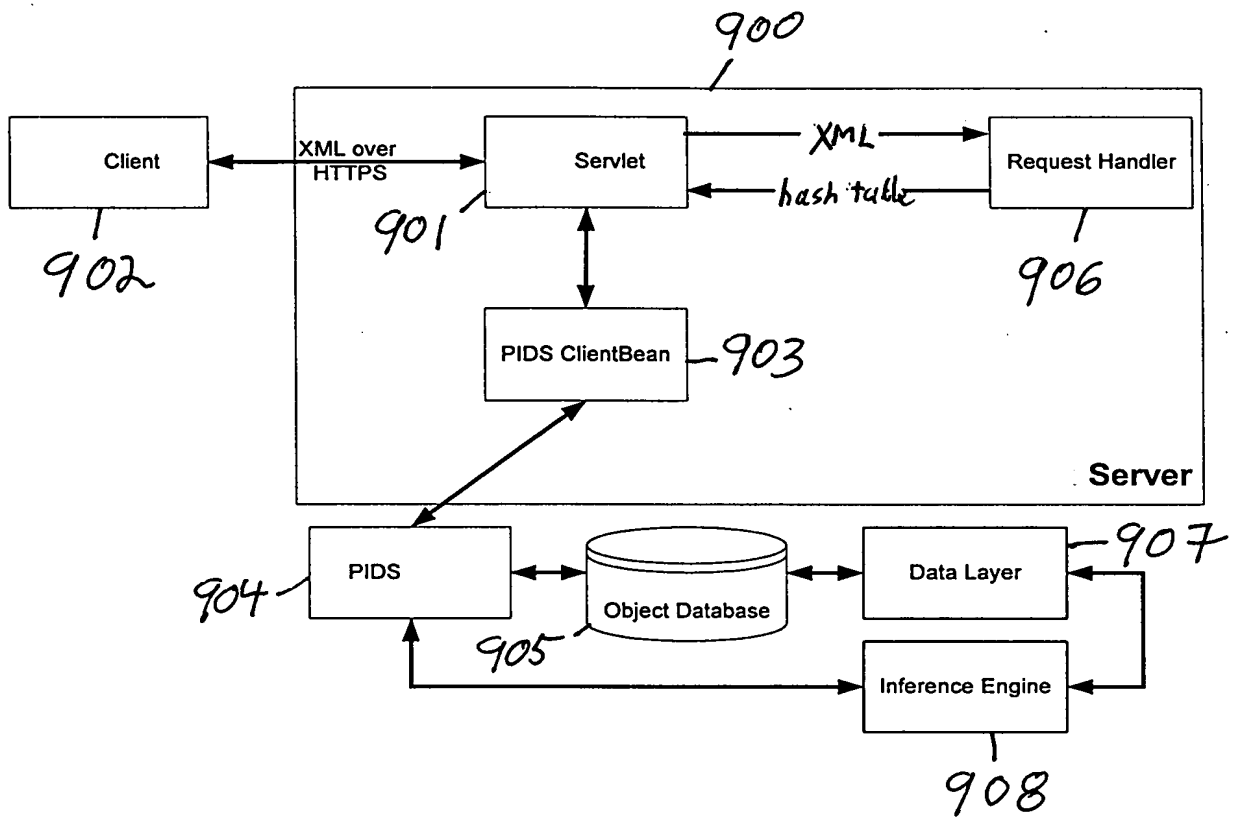


FIG. 9

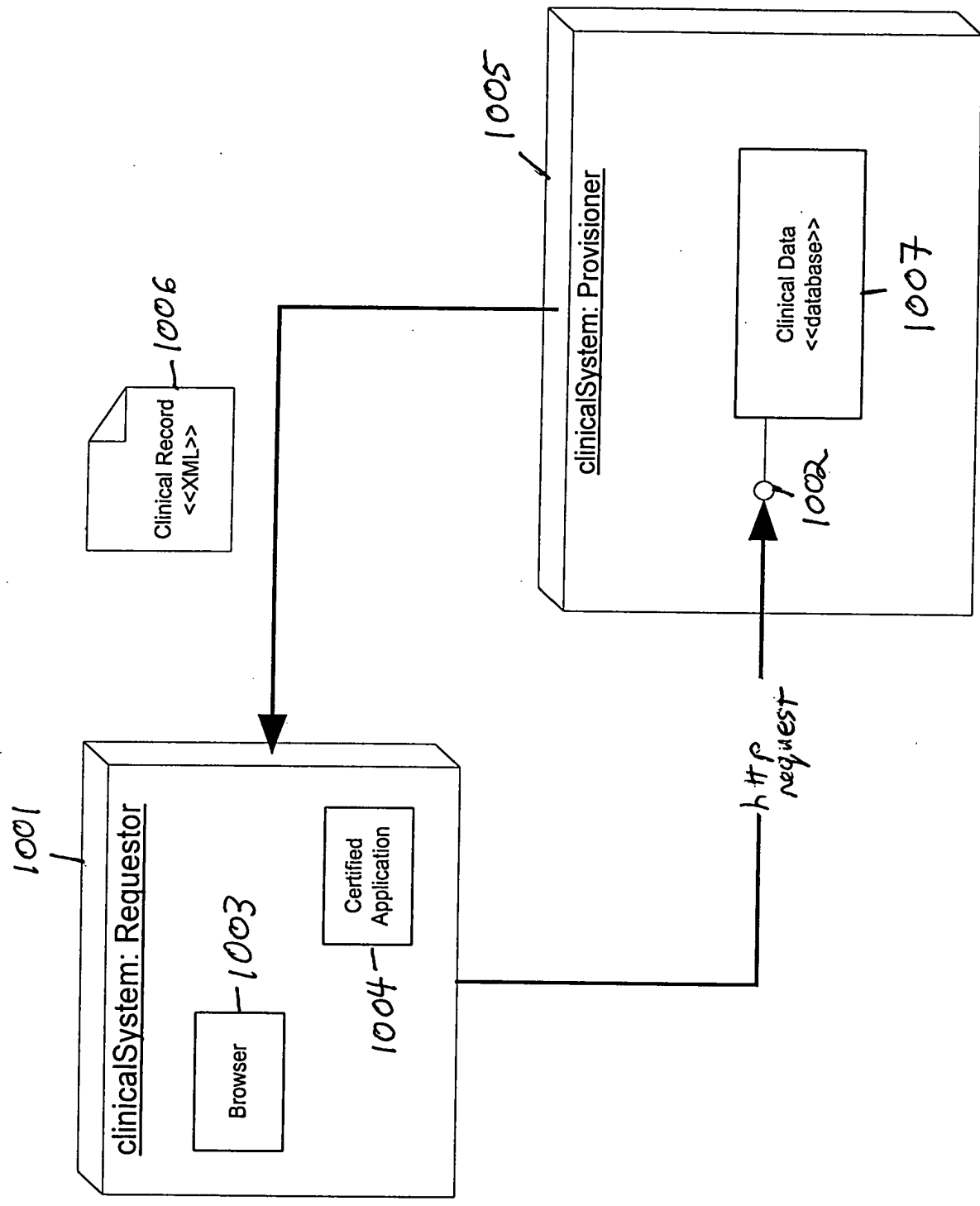


FIG. 10

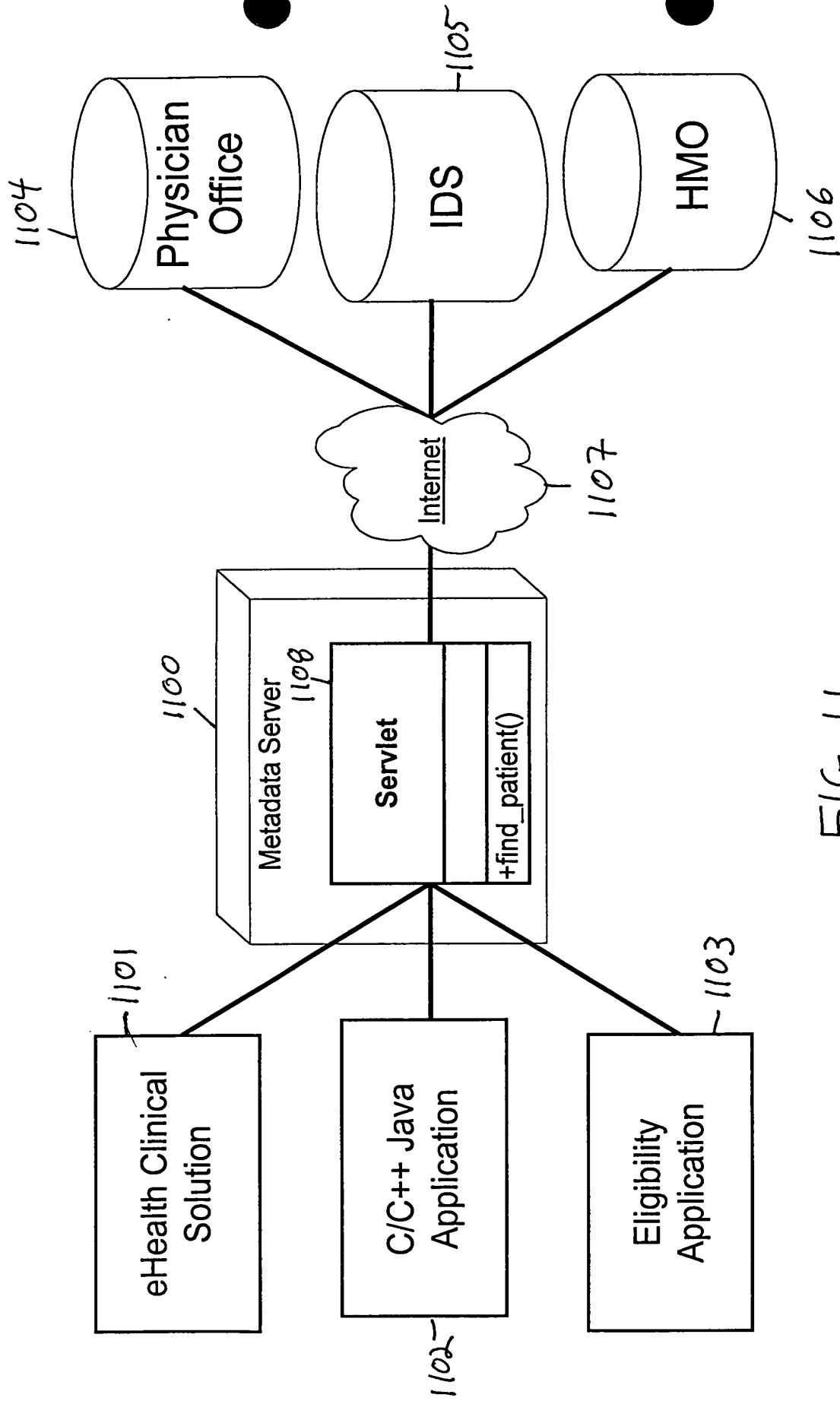


FIG. 11

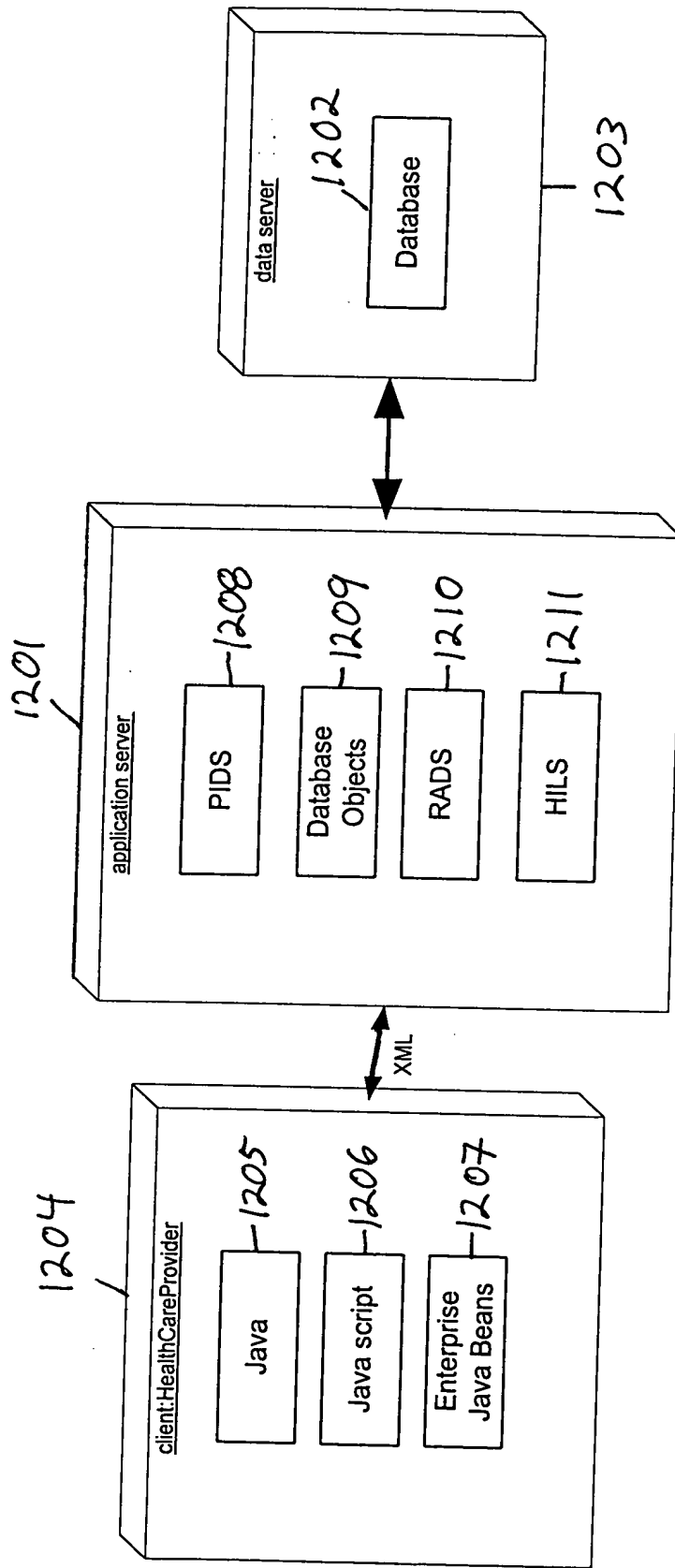


FIG. 12

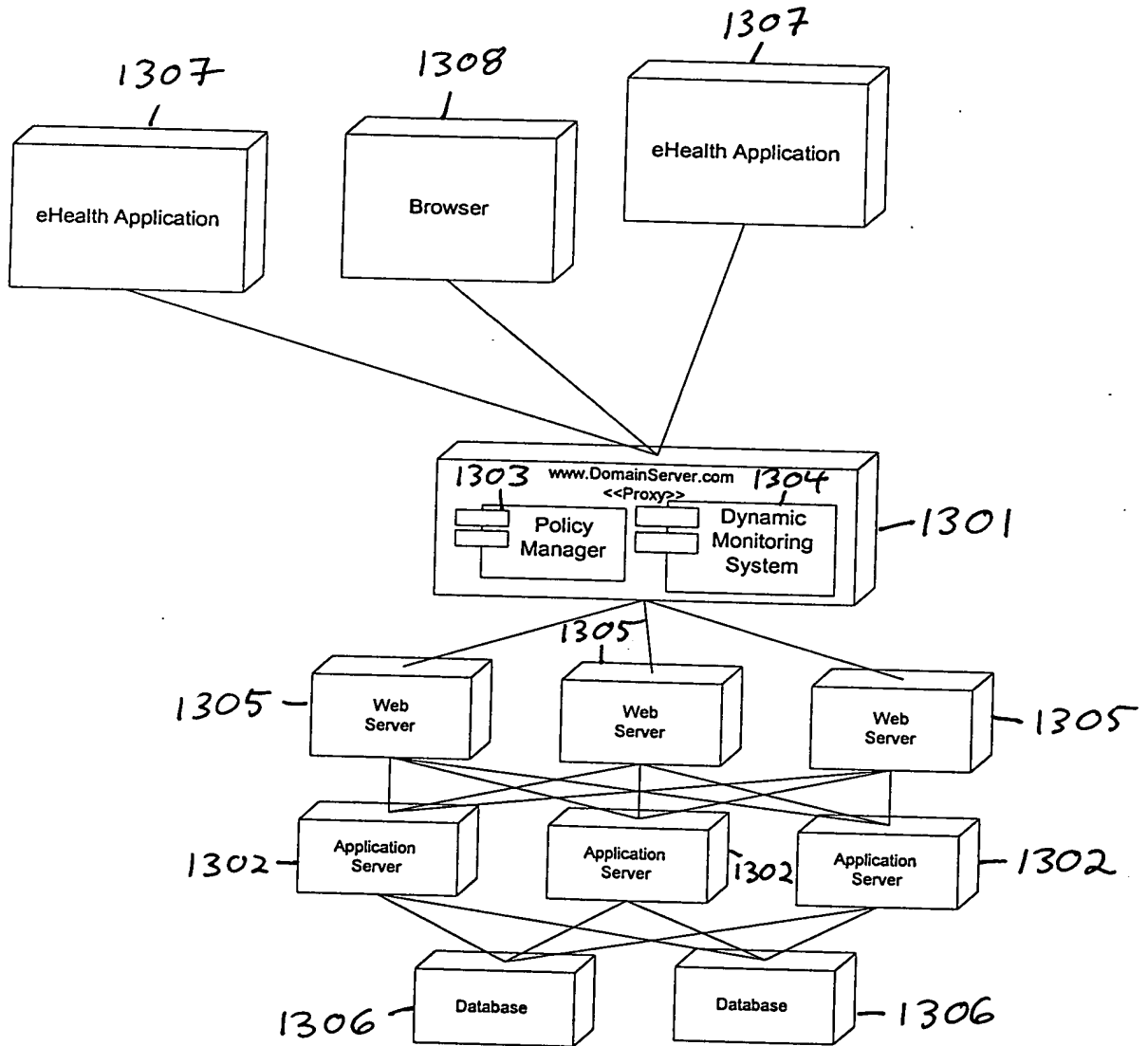


FIG. 13

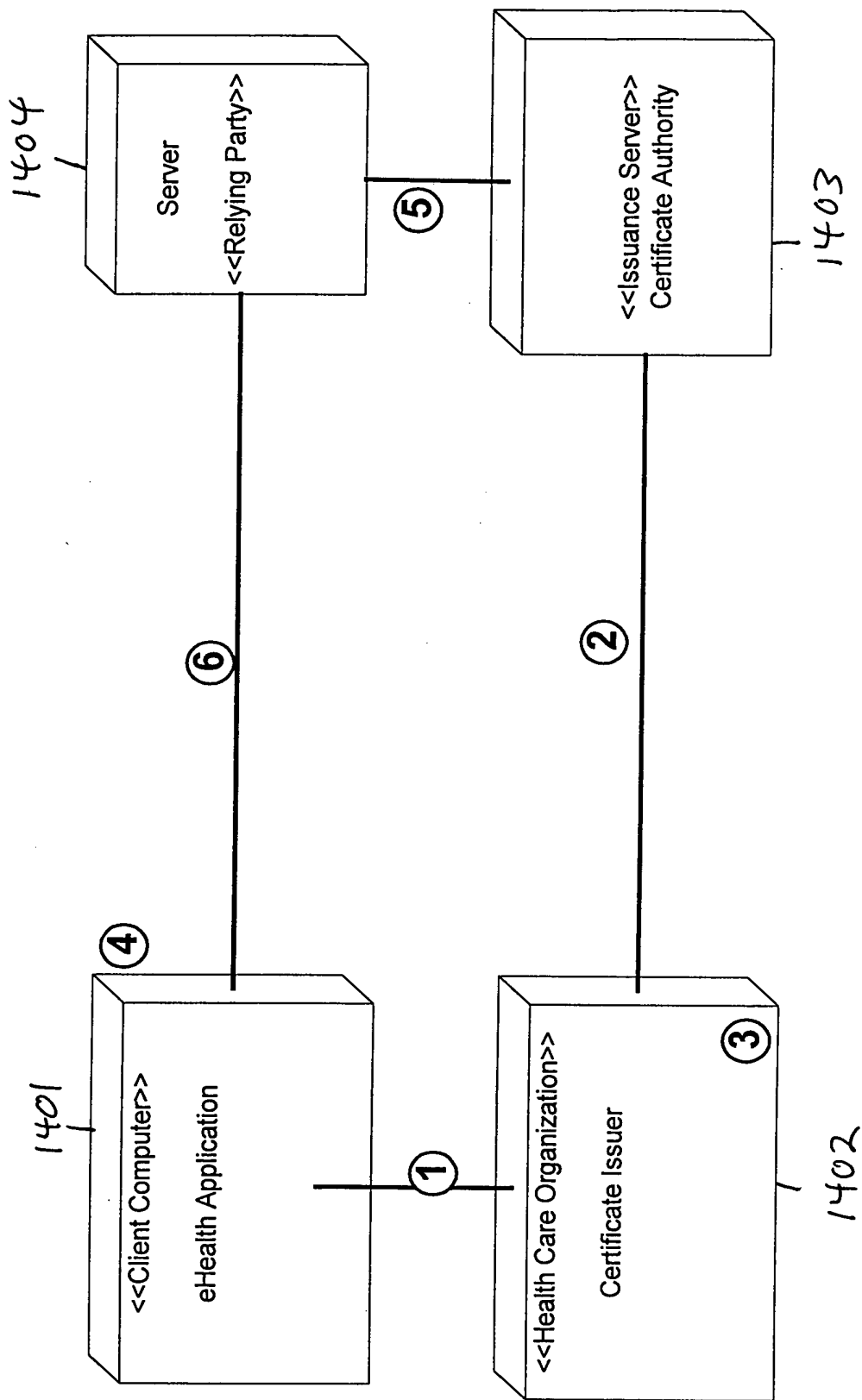


FIG 14

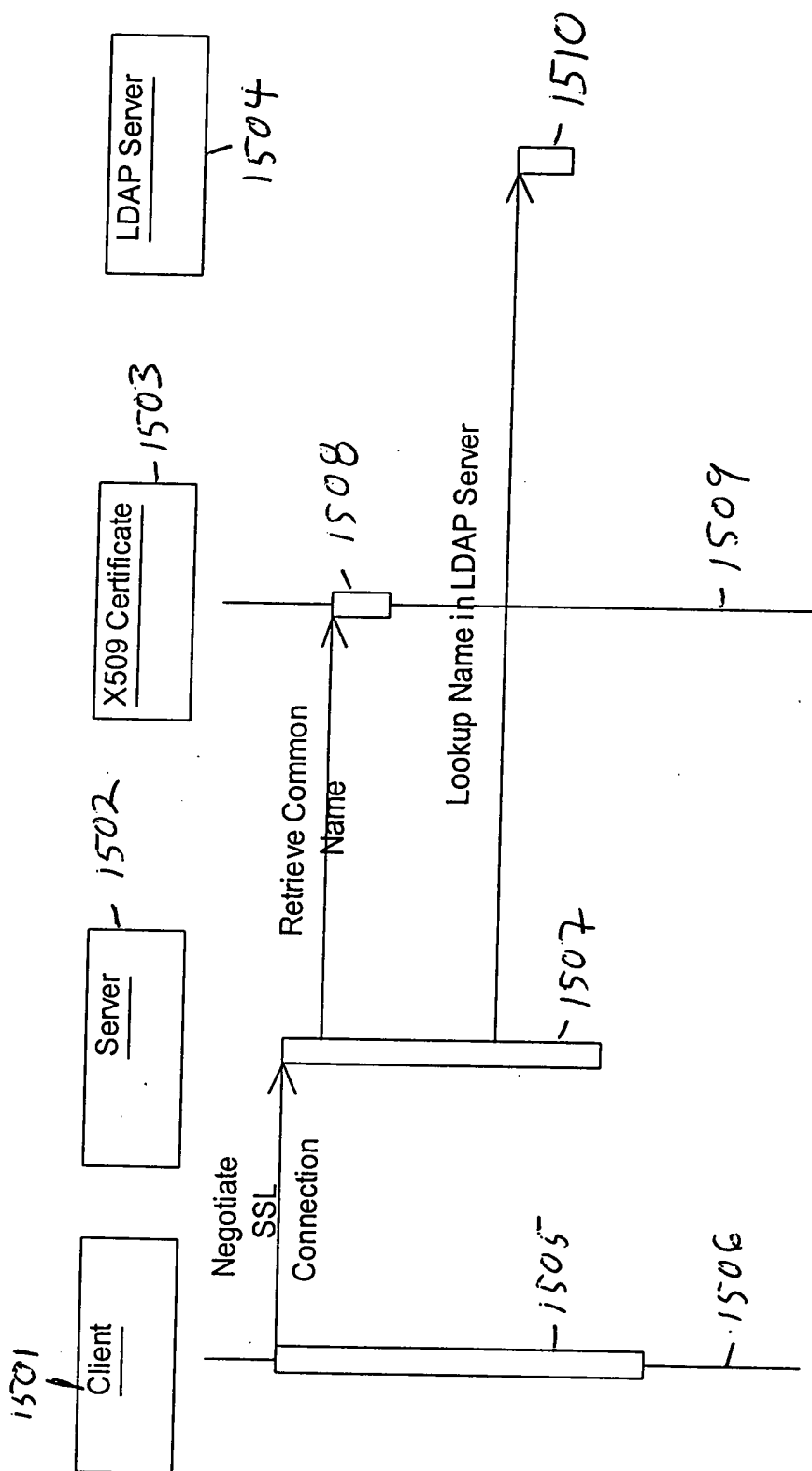


FIG. 15

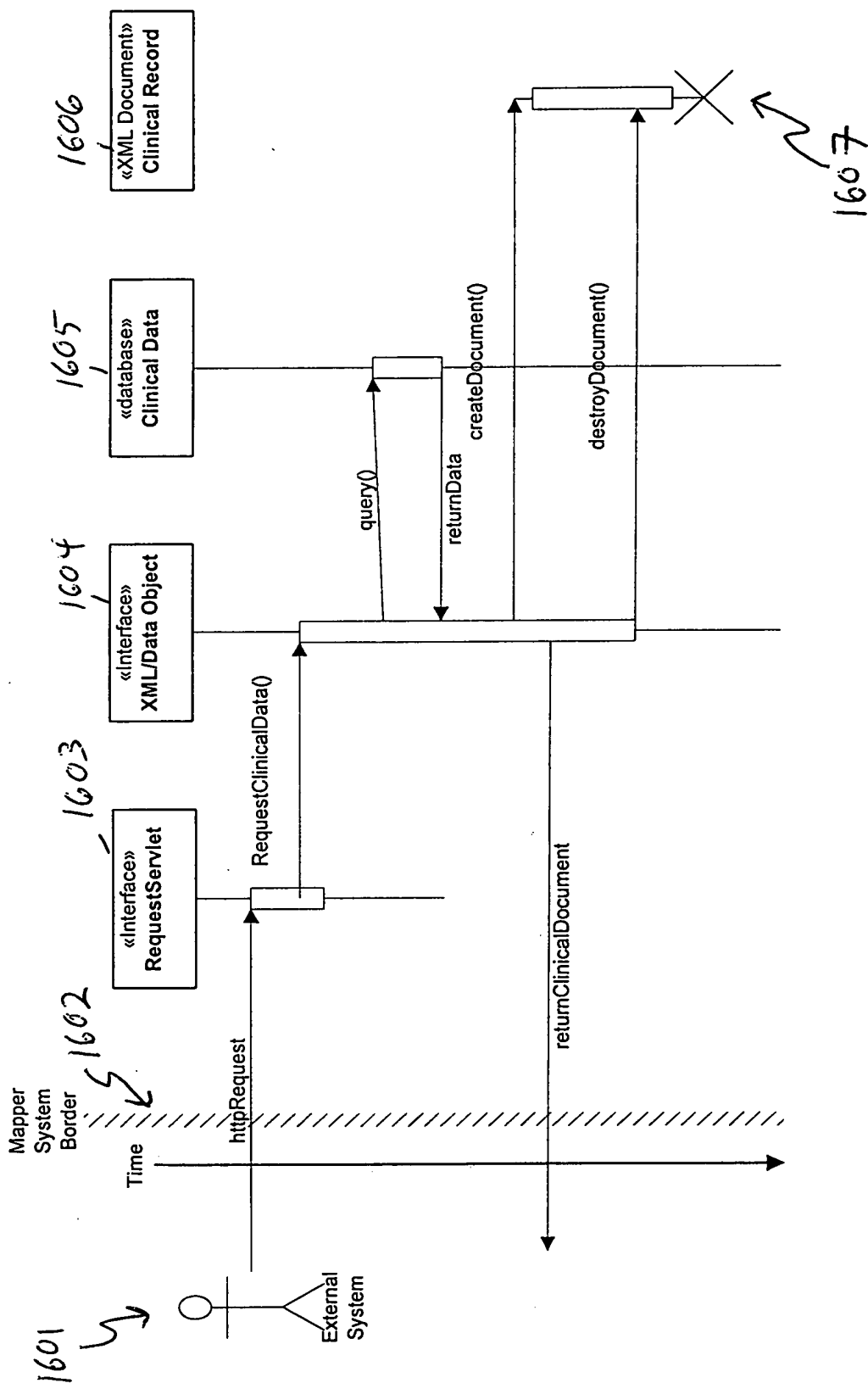


FIG. 16



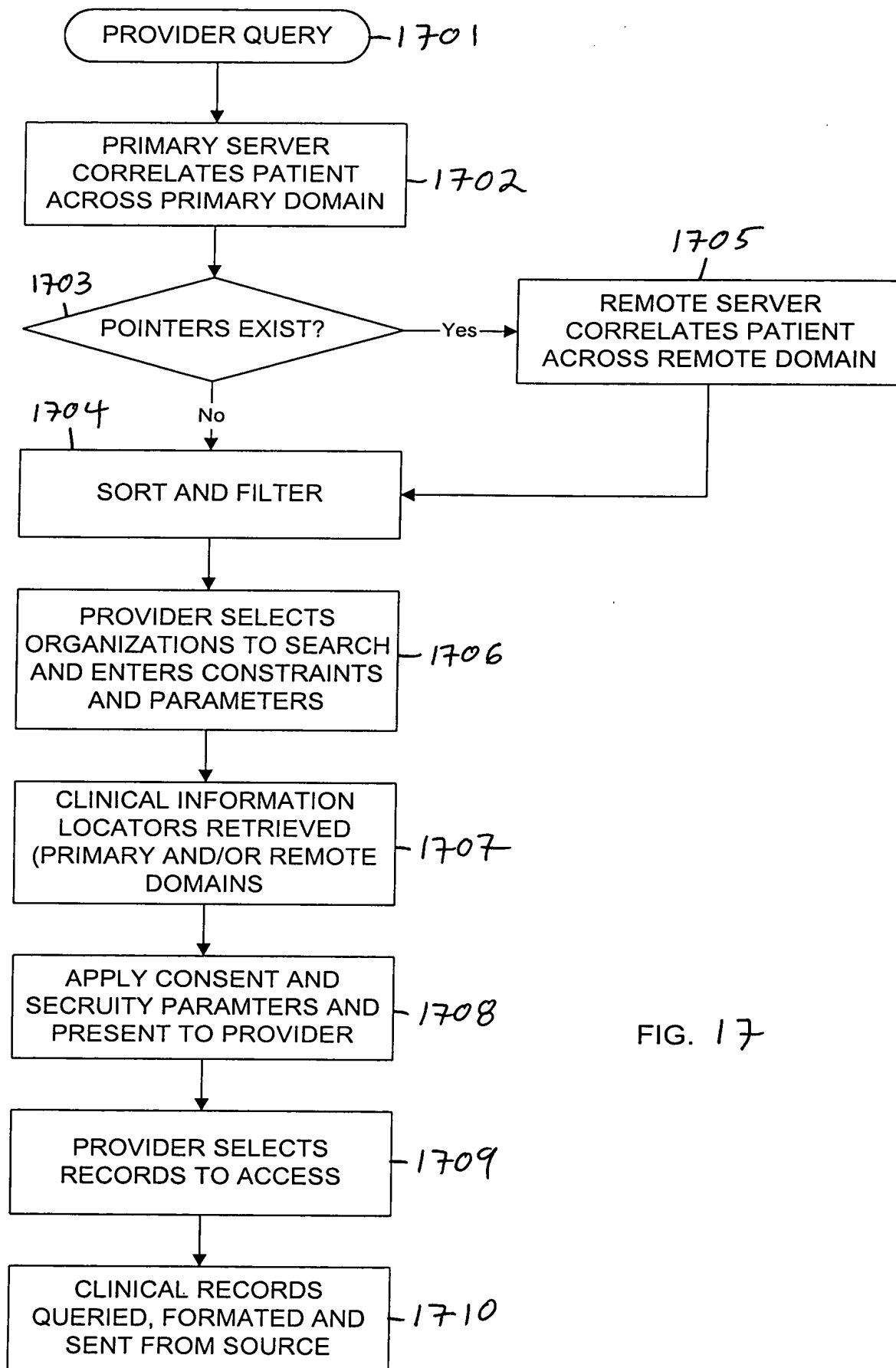


FIG. 17

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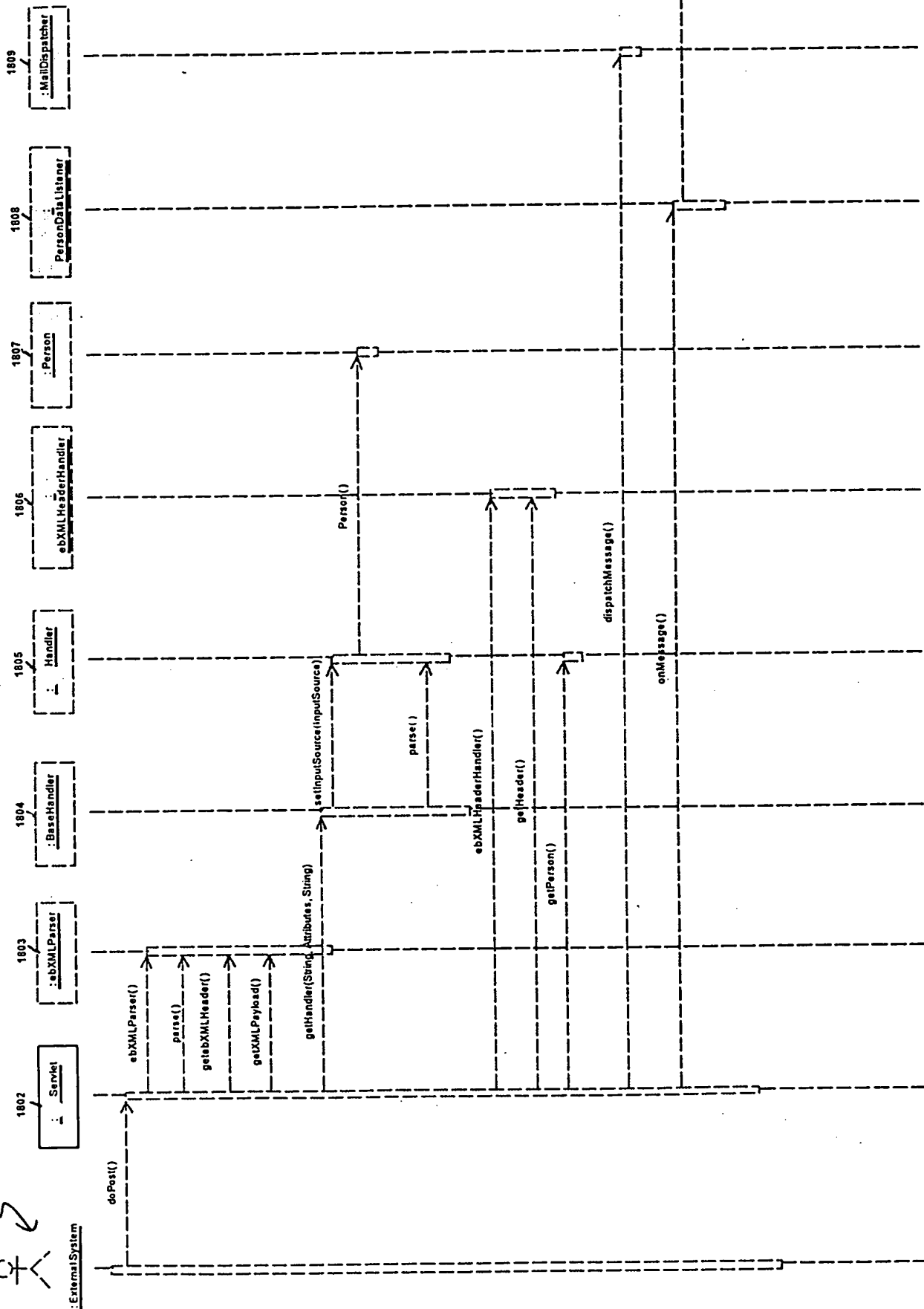


FIG. 18-A

FIG. 18-B

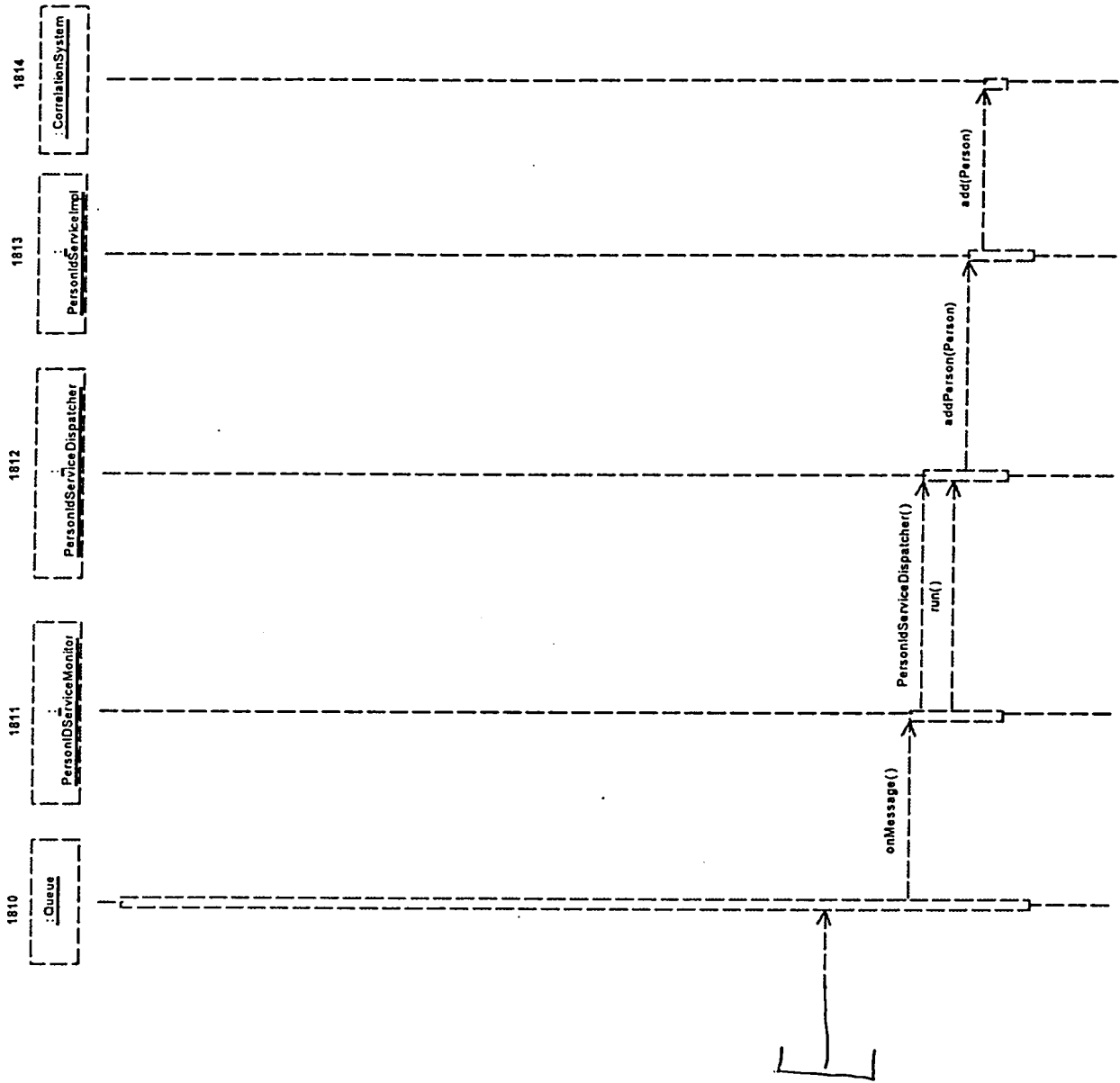


FIG. 18-B

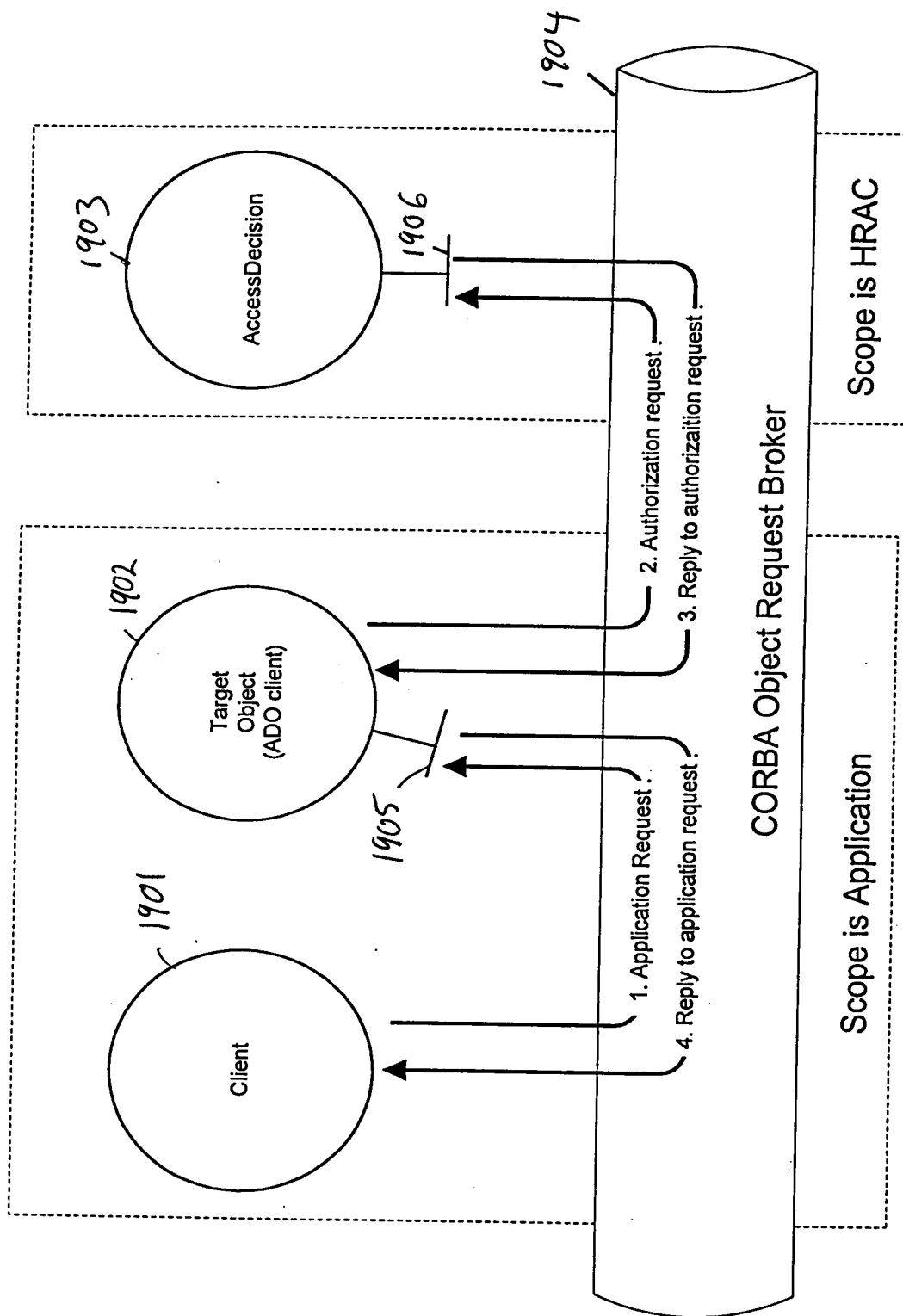


FIG. 19

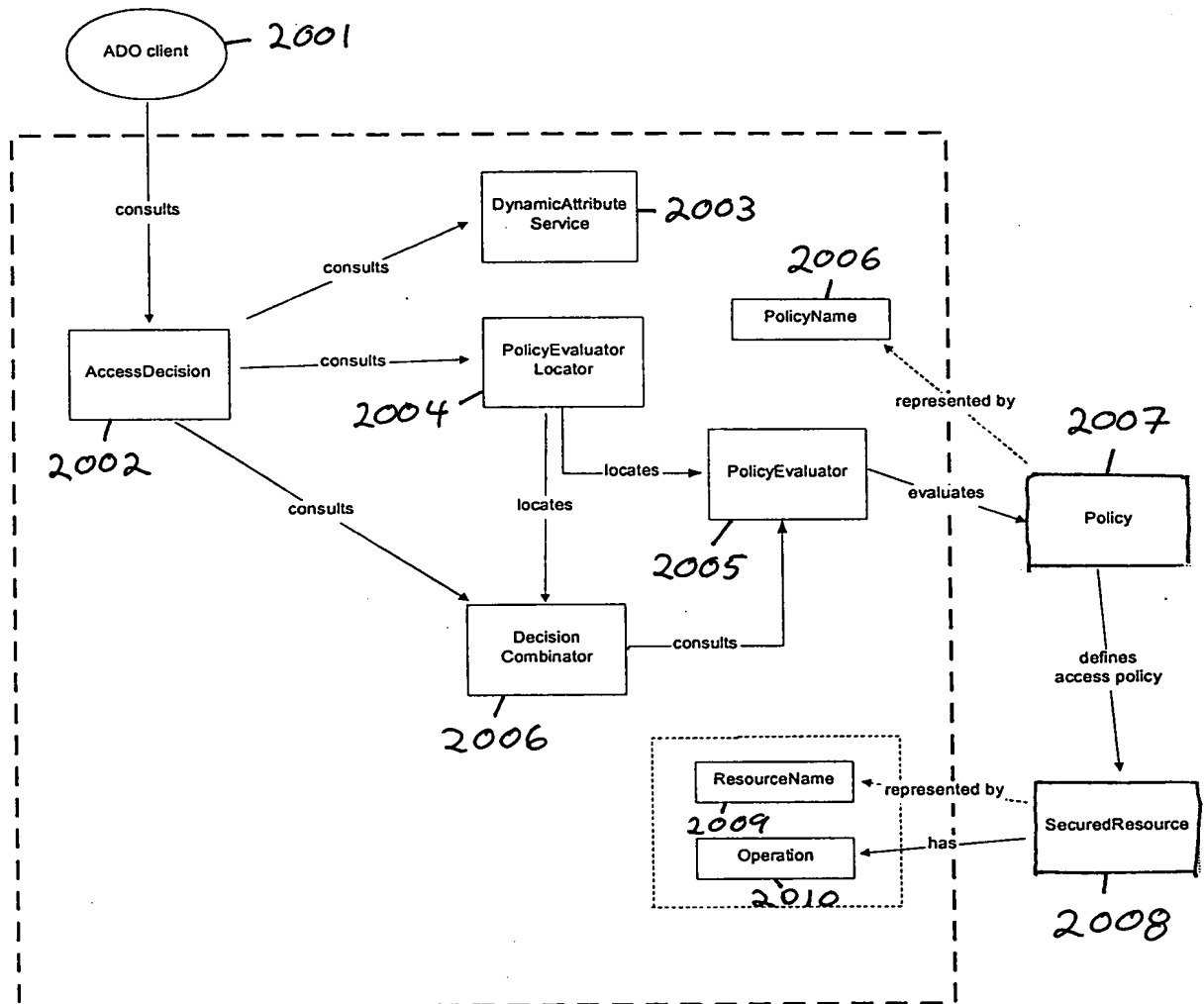


FIG. 20

FIG. 21

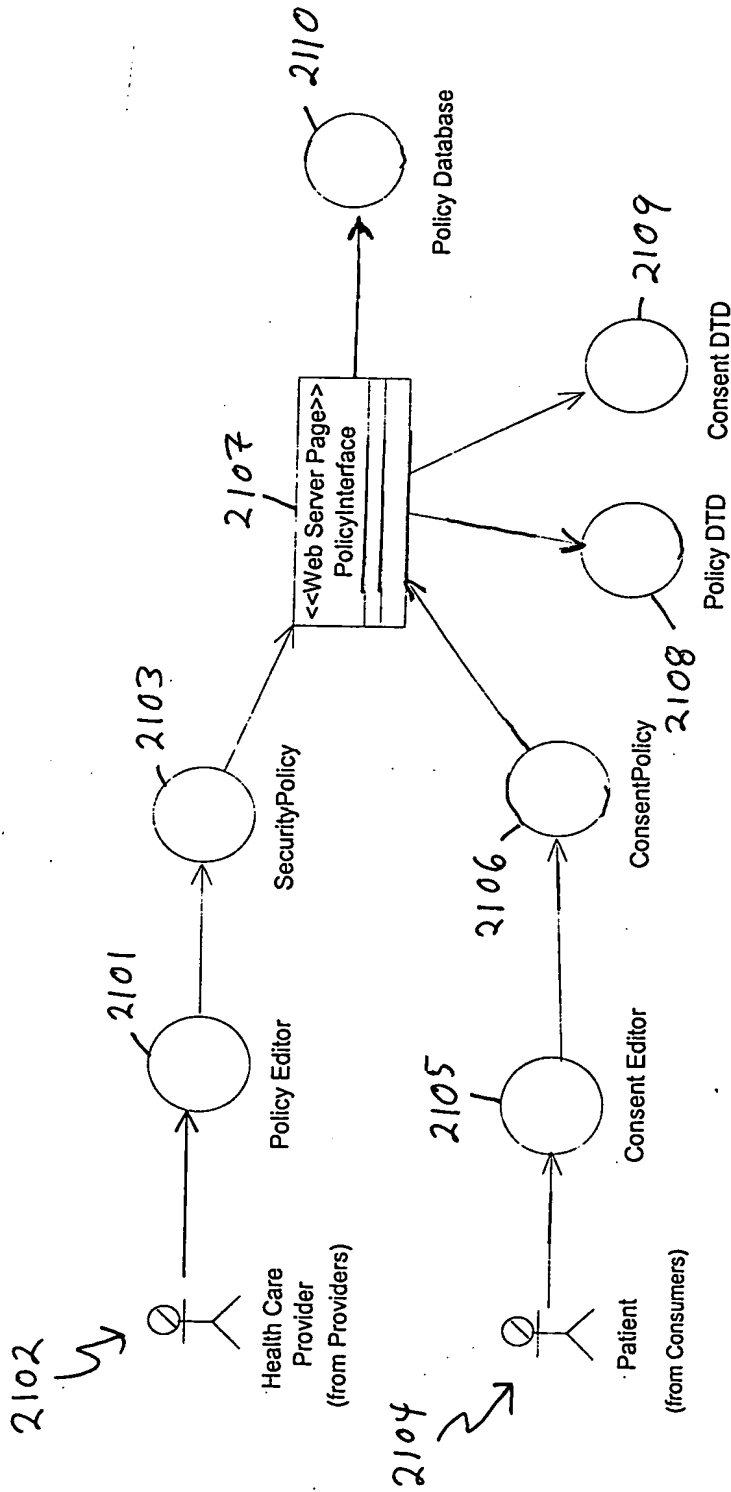


FIG. 21

FIG. 22

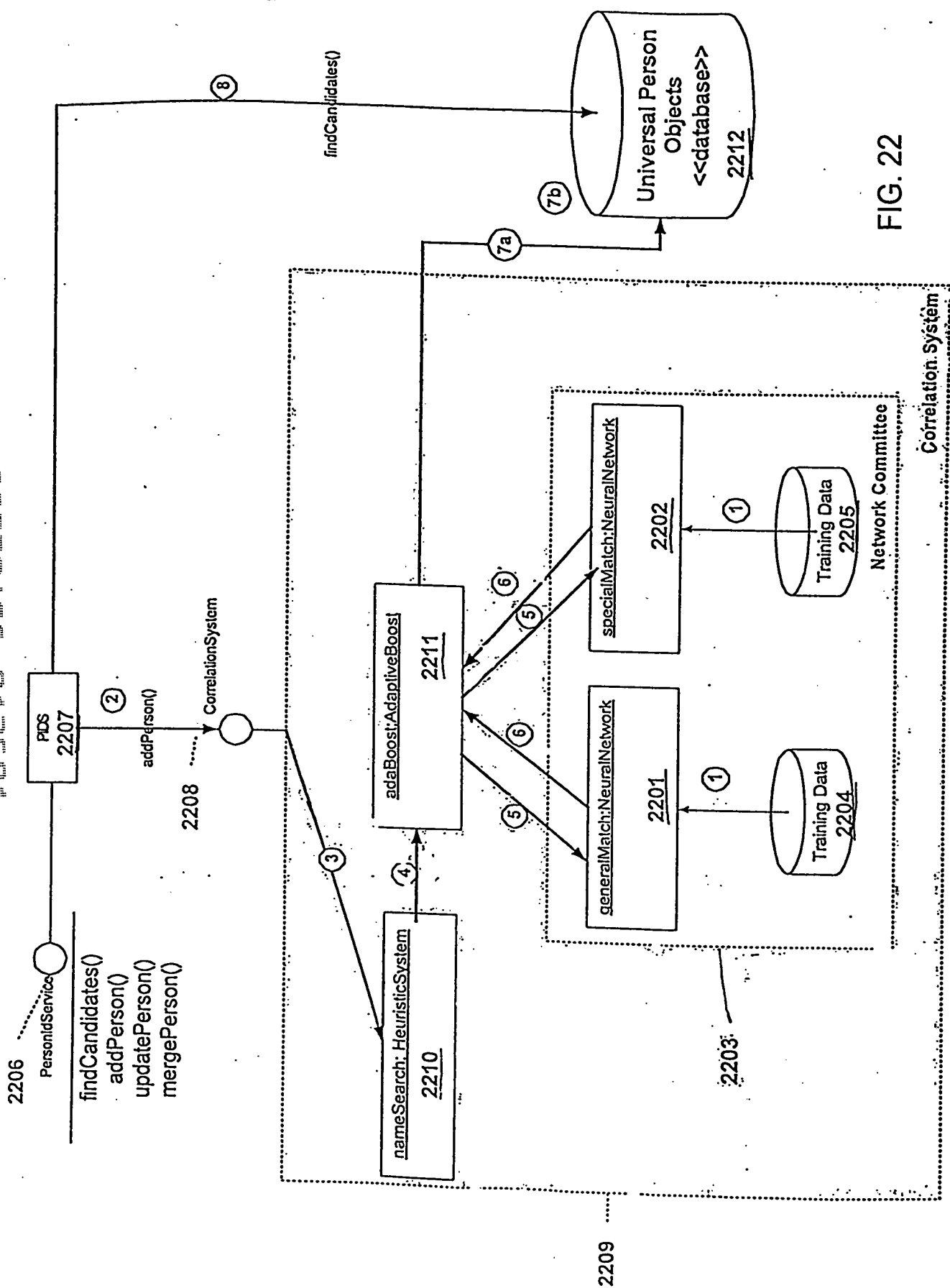


FIG. 22

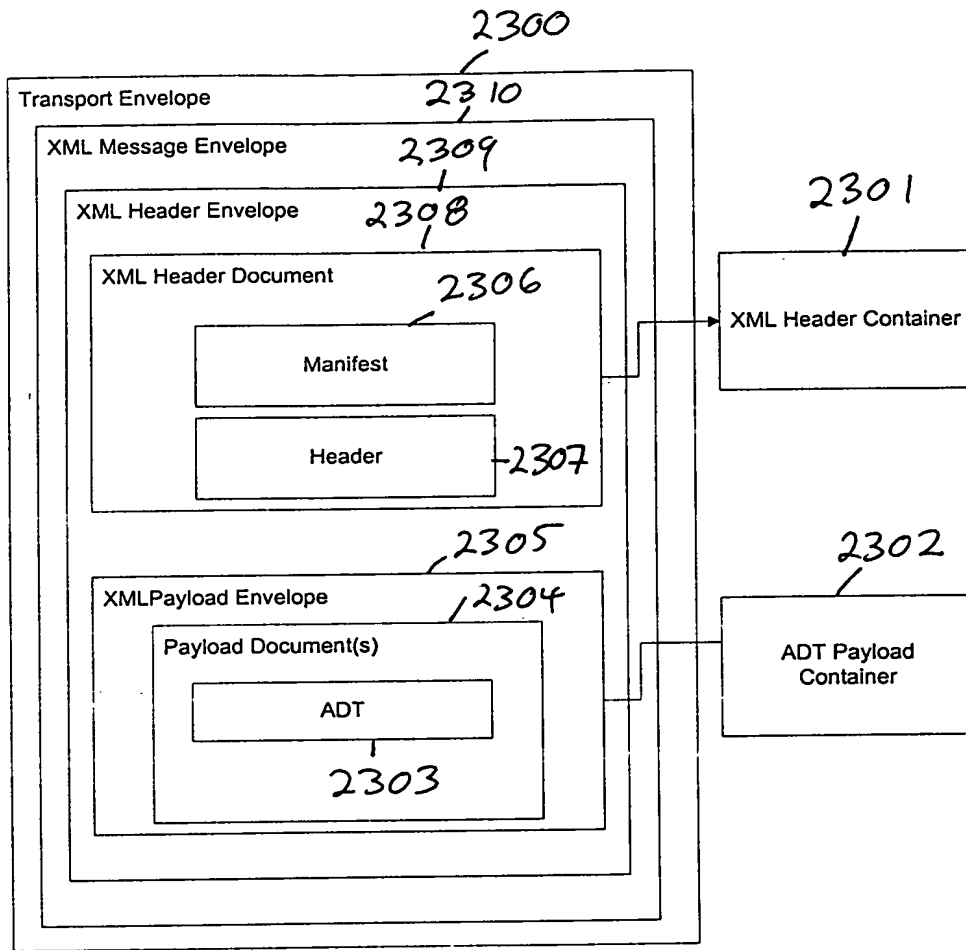


FIG. 23



```

<?xml version ="1.0"?> <schema xmlns = "http://www.w3.org/ 1999/XMLSchema">
<!ELEMENT ebXMLHeader (Manifest , Header )>
<!ATTLIST ebXMLHeader Version CDATA #FIXED '1.0'
MessageType CDATA #FIXED 'Normal' >
<!ELEMENT Manifest (DocumentReference )+>
<!ELEMENT DocumentReference (Document Description?, DocumentLabel , DocumentId )>
<!ELEMENT DocumentDescription (#PCDATA )>
<!ATTLIST DocumentDescription e-dtype NMTOKEN #FIXED 'string' >
<!ELEMENT DocumentLabel (#PCDATA )>
<!ATTLIST DocumentLabel e-dtype NMTOKEN #FIXED 'string' >
<!ELEMENT DocumentId (#PCDATA )>
<!ATTLIST DocumentId e-dtype NMTOKEN #FIXED 'uri' >
<!ELEMENT Header (From , To , TPAInfo , MessageData , ReliableMessagingInfo )>
<!ELEMENT TPAInfo (TPAId , ConversationId , ServiceInterface , Action )>
<!ELEMENT ServiceInterface (#PCDATA )>
<!ATTLIST ServiceInterface e-dtype NMTOKEN #FIXED 'string' >
<!ELEMENT Action (#PCDATA )>
<!ATTLIST Action e-dtype NMTOKEN #FIXED 'string' >
<!ELEMENT TPAId (#PCDATA )>
<!ATTLIST TPAId context CDATA 'Undefined'
e-dtype NMTOKEN #FIXED 'uri' >
<!ELEMENT ConversationId (#PCDATA )>
<!ATTLIST ConversationId context CDATA 'Undefined'
e-dtype NMTOKEN #FIXED 'uri' >
<!ELEMENT MessageData (MessageId , TimeStamp , RefToMessageId )>
<!ELEMENT RefToMessageId (#PCDATA )>
<!ATTLIST RefToMessageId e-dtype NMTOKEN #FIXED 'uuid' >
<!ELEMENT MessageId (#PCDATA )>
<!ATTLIST MessageId e-dtype NMTOKEN #FIXED 'uuid' >
<!ELEMENT From (PartyId )>
<!ELEMENT To (PartyId )>
<!ELEMENT PartyId (#PCDATA )>
<!ATTLIST PartyId context CDATA 'Undefined'
e-dtype NMTOKEN #FIXED 'uri' >
<!ELEMENT ReliableMessagingInfo EMPTY>
<!ATTLIST ReliableMessagingInfo DeliverySemantics (OnceAndOnlyOnce | BestEffort )
#FIXED 'BestEffort' >
<!ELEMENT RoutingHeader (SenderURI , ReceiverURI , ErrorURI, Timestamp,
SequenceNumber )> <!ELEMENT SenderURI (#PCDATA )>
<!ATTLIST SenderURI e-dtype NMTOKEN #FIXED 'uri' >
<!ELEMENT ReceiverURI (#PCDATA )>
<!ATTLIST ReceiverURI e-dtype NMTOKEN #FIXED 'uri' >
<!ELEMENT ErrorURI (#PCDATA )>
<!ATTLIST ErrorURI e-dtype NMTOKEN #FIXED 'uri' >
<!ELEMENT TimeStamp (#PCDATA )>
<!ATTLIST TimeStamp e-dtype NMTOKEN #FIXED 'dateTime' >
<!ELEMENT SequenceNumber (#PCDATA )>

```

FIG. 24

```

<!-- Include HL7 Version 2.3.1 datatypes specification -->
<!ENTITY % HL7V231-datatypes PUBLIC "-//HL7//DTD HL7 V2.3.1 datatype
definitions//EN" "datatypes.dtd">
%HL7V231-datatypes;
<!-- Message declaration -->
<!ENTITY % ADT_A08.CONTENT "(MSH,EVN,PID)">
<!ELEMENT ADT_A08 %ADT_A08.CONTENT;>
<!-- Segment declarations -->
<!ENTITY % EVN.CONTENT "(EVN.1?,EVN.2,EVN.4?,EVN.7?)">
<!ELEMENT EVN %EVN.CONTENT;>
<!ENTITY % MSH.CONTENT "(MSH.1,MSH.2,MSH.3?,MSH.4?,MSH.5?,MSH.6?,MSH.7,MSH.8?,MSH.
9,MSH.10,MSH.11,MSH.12,MSH.13?,MSH.14?,MSH.15?,MSH.16?)">
<!ELEMENT MSH %MSH.CONTENT;>
<!ENTITY % PID.CONTENT "(PID.3+,PID.5+,PID.6*,PID.7?,PID.8?,PID.9*,PID.10*,PID.11*
,PID.12?,PID.13*,PID.14*,PID.16?,PID.17?,PID.19?,PID.20?,PI
D.22*,PID.23?,PID.28?)">
<!ELEMENT PID %PID.CONTENT;>
<!-- Field declarations -->
<!-- EVN field declarations -->
<!ELEMENT EVN.1 %EVN.1.CONTENT;>
<!ENTITY % EVN.1.ATTRIBUTES "Item CDATA #FIXED '99'
Table CDATA #FIXED '3'
LongName CDATA #FIXED 'Event Type Code'
Type CDATA #FIXED 'ID'">
<!ATTLIST EVN.1 %EVN.1.ATTRIBUTES; >
<!ENTITY % EVN.2.CONTENT "%TS;">
<!ELEMENT EVN.2 %EVN.2.CONTENT;>
<!ENTITY % EVN.2.ATTRIBUTES "Item CDATA #FIXED '100'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Recorded Date/Time'
Type CDATA #FIXED 'TS'">
<!ATTLIST EVN.2 %EVN.2.ATTRIBUTES; >
<!ENTITY % EVN.4.CONTENT "%IS;">
<!ELEMENT EVN.4 %EVN.4.CONTENT;>
<!ENTITY % EVN.4.ATTRIBUTES "Item CDATA #FIXED '102'
Table CDATA #FIXED '62'
LongName CDATA #FIXED 'Event Reason Code'
Type CDATA #FIXED 'IS'">
<!ATTLIST EVN.4 %EVN.4.ATTRIBUTES; >
<!ENTITY % EVN.7.CONTENT "%HD;">
<!ELEMENT EVN.7 %EVN.7.CONTENT;>
<!ENTITY % EVN.7.ATTRIBUTES "Item CDATA #FIXED '1534'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Event Facility'
Type CDATA #FIXED 'HD'">
<!ATTLIST EVN.7 %EVN.7.ATTRIBUTES; >

```

FIG. 25-A

```

<!-- MSH field declarations -->
<!ENTITY % MSH.1.CONTENT "%ST;">
<!ELEMENT MSH.1 %MSH.1.CONTENT;>
<!ENTITY % MSH.1.ATTRIBUTES "Item CDATA #FIXED '1'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Field Separator'
Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.1 %MSH.1.ATTRIBUTES; >
<!ENTITY % MSH.2 .CONTENT "%ST;">
<!ELEMENT MSH.2 %MSH.2.CONTENT;>
<!ENTITY % MSH.2.ATTRIBUTES "Item CDATA #FIXED '2'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Encoding Characters'
Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.2 %MSH.2.ATTRIBUTES; >
<!ENTITY % MSH.3.CONTENT "%HD;">
<!ELEMENT MSH.3 %MSH.3.CONTENT;>
<!ENTITY % MSH.3.ATTRIBUTES "Item CDATA #FIXED '3'
Table CDATA #FIXED '361'
LongName CDATA #FIXED 'Sending Application'
Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.3 %MSH.3.ATTRIBUTES; >
<!ENTITY % MSH.4.CONTENT "%HD;">
<!ELEMENT MSH.4 %MSH.4.CONTENT;>
<!ENTITY % MSH.4.ATTRIBUTES "Item CDATA #FIXED '4'
Table CDATA #FIXED '362'
LongName CDATA #FIXED 'Sending Facility'
Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.4 %MSH.4.ATTRIBUTES; >
<!ENTITY % MSH.5.CONTENT "%HD;">
<!ELEMENT MSH.5 %MSH.5.CONTENT;>
<!ENTITY % MSH.5.ATTRIBUTES "Item CDATA #FIXED '5'
Table CDATA #FIXED '361'
LongName CDATA #FIXED 'Receiving Application'
Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.5 %MSH.5.ATTRIBUTES; >
<!ENTITY % MSH.6.CONTENT "%HD;">
<!ELEMENT MSH.6 %MSH.6.CONTENT;>
<!ENTITY % MSH.6.ATTRIBUTES "Item CDATA #FIXED '6'
Table CDATA #FIXED '362'
LongName CDATA #FIXED 'Receiving Facility'
Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.6 %MSH.6.ATTRIBUTES; >
<!ENTITY % MSH.7.CONTENT "%TS;">
<!ELEMENT MSH.7 %MSH.7.CONTENT;>

```

FIG. 25-B

```

<!ENTITY % MSH.7.ATTRIBUTES "Item CDATA #FIXED '7'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Date/Time Of Message'
Type CDATA #FIXED 'TS'">
<!ATTLIST MSH.7  %MSH.7.ATTRIBUTES; >
<!ENTITY % MSH.8.CONTENT "%ST;">
<!ELEMENT MSH.8 %MSH.8.CONTENT;>
<!ENTITY % MSH.8.ATTRIBUTES "Item CDATA #FIXED '8'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Security'
Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.8  %MSH.8.ATTRIBUTES; >
<!ENTITY % MSH.9.CONTENT "%CM_MSG_TYPE;">
<!ELEMENT MSH.9 %MSH.9.CONTENT;>
<!ENTITY % MSH.9.ATTRIBUTES "Item CDATA #FIXED '9'
Table CDATA #FIXED '76'
LongName CDATA #FIXED 'Message Type'
Type CDATA #FIXED 'CM_MSG_TYPE'">
<!ATTLIST MSH.9  %MSH.9.ATTRIBUTES; >
<!ENTITY % MSH.10.CONTENT "%ST;">
<!ELEMENT MSH.10 %MSH.10.CONTENT;>
<!ENTITY % MSH.10.ATTRIBUTES "Item CDATA #FIXED '10'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Message Control ID'
Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.10  %MSH.10.ATTRIBUTES; >
<!ENTITY % MSH.11.CONTENT "%PT;">
<!ELEMENT MSH.11 %MSH.11.CONTENT;>
<!ENTITY % MSH.11.ATTRIBUTES "Item CDATA #FIXED '11'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Processing ID'
Type CDATA #FIXED 'PT'">
<!ATTLIST MSH.11  %MSH.11.ATTRIBUTES; >
<!ENTITY % MSH.12.CONTENT "%VID;">
<!ELEMENT MSH.12 %MSH.12.CONTENT;>
<!ENTITY % MSH.12.ATTRIBUTES "Item CDATA #FIXED '12'
Table CDATA #FIXED '104'
LongName CDATA #FIXED 'Version ID'
Type CDATA #FIXED 'VID'">
<!ATTLIST MSH.12  %MSH.12.ATTRIBUTES; >
<!ENTITY % MSH.13.CONTENT "%NM;">
<!ELEMENT MSH.13 %MSH.13.CONTENT;>
<!ENTITY % MSH.13.ATTRIBUTES "Item CDATA #FIXED '13'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Sequence Number'

```

FIG. 25-C

```

Type CDATA #FIXED 'NM'">
<!-- MSH.13 %MSH.13.ATTRIBUTES; -->
<!-- ENTITY % MSH.14.CONTENT "%ST;" -->
<!-- ELEMENT MSH.14 %MSH.14.CONTENT; -->
<!-- ENTITY % MSH.14.ATTRIBUTES "Item CDATA #FIXED '14'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Continuation Pointer'
Type CDATA #FIXED 'ST'">
<!-- MSH.14 %MSH.14.ATTRIBUTES; -->
<!-- ENTITY % MSH.15.CONTENT "%ID;" -->
<!-- ELEMENT MSH.15 %MSH.15.CONTENT; -->
<!-- ENTITY % MSH.15.ATTRIBUTES "Item CDATA #FIXED '15'
Table CDATA #FIXED '155'
LongName CDATA #FIXED 'Accept Acknowledgment Type'
Type CDATA #FIXED 'ID'">
<!-- MSH.15 %MSH.15.ATTRIBUTES; -->
<!-- ENTITY % MSH.16.CONTENT "%ID;" -->
<!-- ELEMENT MSH.16 %MSH.16.CONTENT; -->
<!-- ENTITY % MSH.16.ATTRIBUTES "Item CDATA #FIXED '16'
Table CDATA #FIXED '155'
LongName CDATA #FIXED 'Application Acknowledgment Type'
Type CDATA #FIXED 'ID'">
<!-- MSH.16 %MSH.16.ATTRIBUTES; -->
<!-- PID Field declarations -->
<!-- ENTITY % PID.3.CONTENT "%CX;" -->
<!-- ELEMENT PID.3 %PID.3.CONTENT; -->
<!-- ENTITY % PID.3.ATTRIBUTES "Item CDATA #FIXED '106'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Patient Identifier List'
Type CDATA #FIXED 'CX'">
<!-- MSH.3 %PID.3.ATTRIBUTES; -->
<!-- ENTITY % PID.5.CONTENT "%XPN;" -->
<!-- ELEMENT PID.5 %PID.5.CONTENT; -->
<!-- ENTITY % PID.5.ATTRIBUTES "Item CDATA #FIXED '108'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Patient Name'
Type CDATA #FIXED 'XPN'">
<!-- MSH.5 %PID.5.ATTRIBUTES; -->
<!-- ENTITY % PID.6.CONTENT "%XPN;" -->
<!-- ELEMENT PID.6 %PID.6.CONTENT; -->
<!-- ENTITY % PID.6.ATTRIBUTES "Item CDATA #FIXED '109'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Mother's Maiden Name'
Type CDATA #FIXED 'XPN'">
<!-- MSH.6 %PID.6.ATTRIBUTES; -->

```

FIG. 25-D

```

<!ENTITY % PID.7.CONTENT "%TS;">
<!ELEMENT PID.7 %PID.7.CONTENT;>
<!ENTITY % PID.7.ATTRIBUTES "Item CDATA #FIXED '110'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Date/Time Of Birth'
Type CDATA #FIXED 'TS'">
<!ATTLIST PID.7 %PID.7.ATTRIBUTES; >
<!ENTITY % PID.8.CONTENT "%IS;">
<!ELEMENT PID.8 %PID.8.CONTENT;>
<!ENTITY % PID.8.ATTRIBUTES "Item CDATA #FIXED '111'
Table CDATA #FIXED '1'
LongName CDATA #FIXED 'Administrative Sex'
Type CDATA #FIXED 'IS'">
<!ATTLIST PID.8 %PID.8.ATTRIBUTES; >
<!ENTITY % PID.9.CONTENT "%XPN;">
<!ELEMENT PID.9 %PID.9.CONTENT;>
<!ENTITY % PID.9.ATTRIBUTES "Item CDATA #FIXED '112'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Patient Alias'
Type CDATA #FIXED 'XPN'">
<!ATTLIST PID.9 %PID.9.ATTRIBUTES; >
<!ENTITY % PID.10.CONTENT "%CE;">
<!ELEMENT PID.10 %PID.10.CONTENT;>
<!ENTITY % PID.10.ATTRIBUTES "Item CDATA #FIXED '113'
Table CDATA #FIXED '5'
LongName CDATA #FIXED 'Race'
Type CDATA #FIXED 'CE'">
<!ATTLIST PID.10 %PID.10.ATTRIBUTES; >
<!ENTITY % PID.11.CONTENT "%XAD;">
<!ELEMENT PID.11 %PID.11.CONTENT;>
<!ENTITY % PID.11.ATTRIBUTES "Item CDATA #FIXED '114'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Patient Address'
Type CDATA #FIXED 'XAD'">
<!ATTLIST PID.11 %PID.11.ATTRIBUTES; >
<!ENTITY % PID.12.CONTENT "%IS;">
<!ELEMENT PID.12 %PID.12.CONTENT;>
<!ENTITY % PID.12.ATTRIBUTES "Item CDATA #FIXED '115'
Table CDATA #FIXED '289'
LongName CDATA #FIXED 'County Code'
Type CDATA #FIXED 'IS'">
<!ATTLIST PID.12 %PID.12.ATTRIBUTES; >
<!ENTITY % PID.13.CONTENT "%XTN;">
<!ELEMENT PID.13 %PID.13.CONTENT;>
<!ENTITY % PID.13.ATTRIBUTES "Item CDATA #FIXED '116'

```

FIG. 25-E

```

Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Phone Number - Home'
Type CDATA #FIXED 'XTN'">
<!--ATTLIST PID.13  %PID.13.ATTRIBUTES; >
<!--ENTITY % PID.14.CONTENT "%XTN;">
<!--ELEMENT PID.14 %PID.14.CONTENT;>
<!--ENTITY % PID.14.ATTRIBUTES "Item CDATA #FIXED '117'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Phone Number - Business'
Type CDATA #FIXED 'XTN'">
<!--ATTLIST PID.14  %PID.14.ATTRIBUTES; >
<!--ENTITY % PID.16.CONTENT "%CE;">
<!--ELEMENT PID.16 %PID.16.CONTENT;>
<!--ENTITY % PID.16.ATTRIBUTES "Item CDATA #FIXED '119'
Table CDATA #FIXED '2'
LongName CDATA #FIXED 'Marital Status'
Type CDATA #FIXED 'CE'">
<!--ATTLIST PID.16  %PID.16.ATTRIBUTES; >
<!--ENTITY % PID.17.CONTENT "%CE;">
<!--ELEMENT PID.17 %PID.17.CONTENT;>
<!--ENTITY % PID.17.ATTRIBUTES "Item CDATA #FIXED '120'
Table CDATA #FIXED '6'
LongName CDATA #FIXED 'Religion'
Type CDATA #FIXED 'CE'">
<!--ATTLIST PID.17  %PID.17.ATTRIBUTES; >
<!--ENTITY % PID.19.CONTENT "%ST;">
<!--ELEMENT PID.19 %PID.19.CONTENT;>
<!--ENTITY % PID.19.ATTRIBUTES "Item CDATA #FIXED '122'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'SSN Number - Patient'
Type CDATA #FIXED 'ST'">
<!--ATTLIST PID.19  %PID.19.ATTRIBUTES; >
<!--ENTITY % PID.20.CONTENT "%DLN;">
<!--ELEMENT PID.20 %PID.20.CONTENT;>
<!--ENTITY % PID.20.ATTRIBUTES "Item CDATA #FIXED '123'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Driver's License Number - Patient'
Type CDATA #FIXED 'DLN'">
<!--ATTLIST PID.20  %PID.20.ATTRIBUTES; >
<!--ENTITY % PID.22.CONTENT "%CE;">
<!--ELEMENT PID.22 %PID.22.CONTENT;>
<!--ENTITY % PID.22.ATTRIBUTES "Item CDATA #FIXED '125'
Table CDATA #FIXED '189'
LongName CDATA #FIXED 'Ethnic Group'
Type CDATA #FIXED 'CE'">

```

FIG. 25-F

Parameter	1997-1998		1998-1999		1999-2000		2000-2001		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014		2014-2015		2015-2016		2016-2017		2017-2018		2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025		2025-2026		2026-2027		2027-2028		2028-2029		2029-2030		2030-2031		2031-2032		2032-2033		2033-2034		2034-2035		2035-2036		2036-2037		2037-2038		2038-2039		2039-2040		2040-2041		2041-2042		2042-2043		2043-2044		2044-2045		2045-2046		2046-2047		2047-2048		2048-2049		2049-2050		2050-2051		2051-2052		2052-2053		2053-2054		2054-2055		2055-2056		2056-2057		2057-2058		2058-2059		2059-2060		2060-2061		2061-2062		2062-2063		2063-2064		2064-2065		2065-2066		2066-2067		2067-2068		2068-2069		2069-2070		2070-2071		2071-2072		2072-2073		2073-2074		2074-2075		2075-2076		2076-2077		2077-2078		2078-2079		2079-2080		2080-2081		2081-2082		2082-2083		2083-2084		2084-2085		2085-2086		2086-2087		2087-2088		2088-2089		2089-2090		2090-2091		2091-2092		2092-2093		2093-2094		2094-2095		2095-2096		2096-2097		2097-2098		2098-2099		2099-2100		2100-2101		2101-2102		2102-2103		2103-2104		2104-2105		2105-2106		2106-2107		2107-2108		2108-2109		2109-2110		2110-2111		2111-2112		2112-2113		2113-2114		2114-2115		2115-2116		2116-2117		2117-2118		2118-2119		2119-2120		2120-2121		2121-2122		2122-2123		2123-2124		2124-2125		2125-2126		2126-2127		2127-2128		2128-2129		2129-2130		2130-2131		2131-2132		2132-2133		2133-2134		2134-2135		2135-2136		2136-2137		2137-2138		2138-2139		2139-2140		2140-2141		2141-2142		2142-2143		2143-2144		2144-2145		2145-2146		2146-2147		2147-2148		2148-2149		2149-2150		2150-2151		2151-2152		2152-2153		2153-2154		2154-2155		2155-2156		2156-2157		2157-2158		2158-2159		2159-2160		2160-2161		2161-2162		2162-2163		2163-2164		2164-2165		2165-2166		2166-2167		2167-2168		2168-2169		2169-2170		2170-2171		2171-2172		2172-2173		2173-2174		2174-2175		2175-2176		2176-2177		2177-2178		2178-2179		2179-2180		2180-2181		2181-2182		2182-2183		2183-2184		2184-2185		2185-2186		2186-2187		2187-2188		2188-2189		2189-2190		2190-2191		2191-2192		2192-2193		2193-2194		2194-2195		2195-2196		2196-2197		2197-2198		2198-2199		2199-2200		2200-2201		2201-2202		2202-2203		2203-2204		2204-2205		2205-2206		2206-2207		2207-2208		2208-2209		2209-2210		2210-2211		2211-2212		2212-2213		2213-2214		2214-2215		2215-2216		2216-2217		2217-2218		2218-2219		2219-2220		2220-2221		2221-2222		2222-2223		2	
-----------	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	-----------	--	---	--

FIG. 25-G



```

<!-- Include HL7 Version 2.3.1 datatypes specification -->
<!ENTITY % HL7V231-datatypes PUBLIC "-//HL7//DTD HL7 V2.3.1 datatype
definitions//EN" "datatypes.dtd">
%HL7V231-datatypes;
<!-- Message declaration -->
<!ENTITY % ADT_A29.CONTENT "(MSH,EVN,PID)">
<!ELEMENT ADT_A29 %ADT_A29.CONTENT;>
<!-- Segment declarations -->
<!ENTITY % EVN.CONTENT "(EVN.1?,EVN.2,EVN.4?,EVN.7?)">
<!ELEMENT EVN %EVN.CONTENT;>
<!ENTITY % MSH.CONTENT "(MSH.1,MSH.2,MSH.3?,MSH.4?,MSH.5?,MSH.6?,MSH.7,MSH.8?,MSH.
9,MSH.10,MSH.11,MSH.12,MSH.13?,MSH.14?,MSH.15?,MSH.16?)">
<!ELEMENT MSH %MSH.CONTENT;>
<!ENTITY % PID.CONTENT "(PID.3+,PID.5+)">
<!ELEMENT PID %PID.CONTENT;>
<!-- Field declarations -->
<!-- EVN field declarations -->
<!ELEMENT EVN.1 %EVN.1.CONTENT;>
<!ENTITY % EVN.1.ATTRIBUTES "Item CDATA #FIXED '99'
Table CDATA #FIXED '3'
LongName CDATA #FIXED 'Event Type Code'
Type CDATA #FIXED 'ID'">
<|ATTLIST EVN.1 %EVN.1.ATTRIBUTES; >
<!ENTITY % EVN.2.CONTENT "%TS;">
<!ELEMENT EVN.2 %EVN.2.CONTENT;>
<!ENTITY % EVN.2.ATTRIBUTES "Item CDATA #FIXED '100'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Recorded Date/Time'
Type CDATA #FIXED 'TS'">
<|ATTLIST EVN.2 %EVN.2.ATTRIBUTES; >
<!ENTITY % EVN.4.CONTENT "%IS;">
<!ELEMENT EVN.4 %EVN.4.CONTENT;>
<!ENTITY % EVN.4.ATTRIBUTES "Item CDATA #FIXED '102'
Table CDATA #FIXED '62'
LongName CDATA #FIXED 'Event Reason Code'
Type CDATA #FIXED 'IS'">
<|ATTLIST EVN.4 %EVN.4.ATTRIBUTES; >
<!ENTITY % EVN.7.CONTENT "%HD;">
<!ELEMENT EVN.7 %EVN.7.CONTENT;>
<!ENTITY % EVN.7.ATTRIBUTES "Item CDATA #FIXED '1534'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Event Facility'
Type CDATA #FIXED 'HD'">
<|ATTLIST EVN.7 %EVN.7.ATTRIBUTES; >
<!-- MSH field declarations -->

```

FIG. 26-A

```

<!ENTITY % MSH.1.CONTENT "%ST;">
<!ELEMENT MSH.1 %MSH.1.CONTENT;>
<!ENTITY % MSH.1.ATTRIBUTES "Item CDATA #FIXED '1'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Field Separator'
    Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.1 %MSH.1.ATTRIBUTES; >
<!ENTITY % MSH.2 .CONTENT "%ST;">
<!ELEMENT MSH.2 %MSH.2.CONTENT;>
<!ENTITY % MSH.2.ATTRIBUTES "Item CDATA #FIXED '2'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Encoding Characters'
    Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.2 %MSH.2.ATTRIBUTES; >
<!ENTITY % MSH.3.CONTENT "%HD;">
<!ELEMENT MSH.3 %MSH.3.CONTENT;>
<!ENTITY % MSH.3.ATTRIBUTES "Item CDATA #FIXED '3'
    Table CDATA #FIXED '361'
    LongName CDATA #FIXED 'Sending Application'
    Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.3 %MSH.3.ATTRIBUTES; >
<!ENTITY % MSH.4.CONTENT "%HD;">
<!ELEMENT MSH.4 %MSH.4.CONTENT;>
<!ENTITY % MSH.4.ATTRIBUTES "Item CDATA #FIXED '4'
    Table CDATA #FIXED '362'
    LongName CDATA #FIXED 'Sending Facility'
    Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.4 %MSH.4.ATTRIBUTES; >
<!ENTITY % MSH.5.CONTENT "%HD;">
<!ELEMENT MSH.5 %MSH.5.CONTENT;>
<!ENTITY % MSH.5.ATTRIBUTES "Item CDATA #FIXED '5'
    Table CDATA #FIXED '361'
    LongName CDATA #FIXED 'Receiving Application'
    Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.5 %MSH.5.ATTRIBUTES; >
<!ENTITY % MSH.6.CONTENT "%HD;">
<!ELEMENT MSH.6 %MSH.6.CONTENT;>
<!ENTITY % MSH.6.ATTRIBUTES "Item CDATA #FIXED '6'
    Table CDATA #FIXED '362'
    LongName CDATA #FIXED 'Receiving Facility'
    Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.6 %MSH.6.ATTRIBUTES; >
<!ENTITY % MSH.7.CONTENT "%TS;">
<!ELEMENT MSH.7 %MSH.7.CONTENT;>
<!ENTITY % MSH.7.ATTRIBUTES "Item CDATA #FIXED '7'

```

FIG. 26-B

```

Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Date/Time Of Message'
Type CDATA #FIXED 'TS' ">
<!ATTLIST MSH.7 %MSH.7.ATTRIBUTES; >
<!ENTITY % MSH.8.CONTENT "%ST;">
<!ELEMENT MSH.8 %MSH.8.CONTENT;>
<!ENTITY % MSH.8.ATTRIBUTES "Item CDATA #FIXED '8'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Security'
    Type CDATA #FIXED 'ST' ">
<!ATTLIST MSH.8 %MSH.8.ATTRIBUTES; >
<!ENTITY % MSH.9.CONTENT "%CM_MSG_TYPE;">
<!ELEMENT MSH.9 %MSH.9.CONTENT;>
<!ENTITY % MSH.9.ATTRIBUTES "Item CDATA #FIXED '9'
    Table CDATA #FIXED '76'
    LongName CDATA #FIXED 'Message Type'
    Type CDATA #FIXED 'CM_MSG_TYPE' ">
<!ATTLIST MSH.9 %MSH.9.ATTRIBUTES; >
<!ENTITY % MSH.10.CONTENT "%ST;">
<!ELEMENT MSH.10 %MSH.10.CONTENT;>
<!ENTITY % MSH.10.ATTRIBUTES "Item CDATA #FIXED '10'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Message Control ID'
    Type CDATA #FIXED 'ST' ">
<!ATTLIST MSH.10 %MSH.10.ATTRIBUTES; >
<!ENTITY % MSH.11.CONTENT "%PT;">
<!ELEMENT MSH.11 %MSH.11.CONTENT;>
<!ENTITY % MSH.11.ATTRIBUTES "Item CDATA #FIXED '11'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Processing ID'
    Type CDATA #FIXED 'PT' ">
<!ATTLIST MSH.11 %MSH.11.ATTRIBUTES; >
<!ENTITY % MSH.12.CONTENT "%VID;">
<!ELEMENT MSH.12 %MSH.12.CONTENT;>
<!ENTITY % MSH.12.ATTRIBUTES "Item CDATA #FIXED '12'
    Table CDATA #FIXED '104'
    LongName CDATA #FIXED 'Version ID'
    Type CDATA #FIXED 'VID' ">
<!ATTLIST MSH.12 %MSH.12.ATTRIBUTES; >
<!ENTITY % MSH.13.CONTENT "%NM;">
<!ELEMENT MSH.13 %MSH.13.CONTENT;>
<!ENTITY % MSH.13.ATTRIBUTES "Item CDATA #FIXED '13'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Sequence Number'
    Type CDATA #FIXED 'NM' ">

```

FIG. 26-C

```

<!ATTLIST MSH.13 %MSH.13.ATTRIBUTES; >
<!ENTITY % MSH.14.CONTENT "%ST;">
<!ELEMENT MSH.14 %MSH.14.CONTENT;>
<!ENTITY % MSH.14.ATTRIBUTES "Item CDATA #FIXED '14'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Continuation Pointer'
    Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.14 %MSH.14.ATTRIBUTES; >
<!ENTITY % MSH.15.CONTENT "%ID;">
<!ELEMENT MSH.15 %MSH.15.CONTENT;>
<!ENTITY % MSH.15.ATTRIBUTES "Item CDATA #FIXED '15'
    Table CDATA #FIXED '155'
    LongName CDATA #FIXED 'Accept Acknowledgment Type'
    Type CDATA #FIXED 'ID'">
<!ATTLIST MSH.15 %MSH.15.ATTRIBUTES; >
<!ENTITY % MSH.16.CONTENT "%ID;">
<!ELEMENT MSH.16 %MSH.16.CONTENT;>
<!ENTITY % MSH.16.ATTRIBUTES "Item CDATA #FIXED '16'
    Table CDATA #FIXED '155'
    LongName CDATA #FIXED 'Application Acknowledgment Type'
    Type CDATA #FIXED 'ID'">
<!ATTLIST MSH.16 %MSH.16.ATTRIBUTES; >
-- PID Field declarations --
<!ENTITY % PID.3.CONTENT "%CX;">
<!ELEMENT PID.3 %PID.3.CONTENT;>
<!ENTITY % PID.3.ATTRIBUTES "Item CDATA #FIXED '106'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Patient Identifier List'
    Type CDATA #FIXED 'CX'">
<!ATTLIST PID.3 %PID.3.ATTRIBUTES; >
<!ENTITY % PID.5.CONTENT "%XPN;">
<!ELEMENT PID.5 %PID.5.CONTENT;>
<!ENTITY % PID.5.ATTRIBUTES "Item CDATA #FIXED '108'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Patient Name'
    Type CDATA #FIXED 'XPN'">
<!ATTLIST PID.5 %PID.5.ATTRIBUTES; >

```

FIG. 26-D

```

<!-- Include HL7 Version 2.3.1 datatypes specification -->
<!ENTITY % HL7V231-datatypes PUBLIC "-//HL7//DTD HL7 V2.3.1 datatype
definitions//EN" "datatypes.dtd">
%HL7V231-datatypes;
<!-- Message declaration -->
<!ENTITY % ADT_A47.CONTENT "(MSH,EVN,PID,MRG)">
<!ELEMENT ADT_A47 %ADT_A47.CONTENT;>
<!-- Segment declarations -->
<!ENTITY % EVN.CONTENT "(EVN.1?,EVN.2,EVN.4?,EVN.7?)">
<!ELEMENT EVN %EVN.CONTENT;>
<!ENTITY % MSH.CONTENT "(MSH.1,MSH.2,MSH.3?,MSH.4?,MSH.5?,MSH.6?,MSH.7,MSH.8?,MSH.
9,MSH.10,MSH.11,MSH.12,MSH.13?,MSH.14?,MSH.15?,MSH.16?)">
<!ELEMENT MSH %MSH.CONTENT;>
<!ENTITY % PID.CONTENT "(PID.3+,PID.5+,PID.6*,PID.7?,PID.8?,PID.9*,PID.10*,PID.11*
,PID.12?,PID.13*,PID.14*,PID.16?,PID.17?,PID.19?,PID.20?,PI
D.22*,PID.23?,PID.28?)">
<!ELEMENT PID %PID.CONTENT;>
<!ENTITY % MRG.CONTENT "(MRG.1+)">
<!ELEMENT MRG %MRG.CONTENT;>
<!-- Field declarations -->
<!-- EVN field declarations -->
<!ELEMENT EVN.1 %EVN.1.CONTENT;>
<!ENTITY % EVN.1.ATTRIBUTES "Item CDATA #FIXED '99'
Table CDATA #FIXED '3'
LongName CDATA #FIXED 'Event Type Code'
Type CDATA #FIXED 'ID'">
<!ATTLIST EVN.1 %EVN.1.ATTRIBUTES; >
<!ENTITY % EVN.2.CONTENT "%TS;">
<!ELEMENT EVN.2 %EVN.2.CONTENT;>
<!ENTITY % EVN.2.ATTRIBUTES "Item CDATA #FIXED '100'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Recorded Date/Time'
Type CDATA #FIXED 'TS'">
<!ATTLIST EVN.2 %EVN.2.ATTRIBUTES; >
<!ENTITY % EVN.4.CONTENT "%IS;">
<!ELEMENT EVN.4 %EVN.4.CONTENT;>
<!ENTITY % EVN.4.ATTRIBUTES "Item CDATA #FIXED '102'
Table CDATA #FIXED '62'
LongName CDATA #FIXED 'Event Reason Code'
Type CDATA #FIXED 'IS'">
<!ATTLIST EVN.4 %EVN.4.ATTRIBUTES; >
<!ENTITY % EVN.7.CONTENT "%HD;">
<!ELEMENT EVN.7 %EVN.7.CONTENT;>
<!ENTITY % EVN.7.ATTRIBUTES "Item CDATA #FIXED '1534'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Event Facility'

```

FIG. 27-A

```

    Type CDATA #FIXED 'HD'">
<!-- EVN.7 field declarations -->
<!-- MRG field declarations -->
<!-- ENTITY % MRG.1.CONTENT "%CX;" -->
<!-- ELEMENT MRG.3 %MRG.1.CONTENT -->
<!-- ENTITY % MRG.1.ATTRIBUTES "Item CDATA #FIXED '211'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Prior Patient Identifier List'
    Type CDATA #FIXED 'CX'">
<!-- MRG.1 field declarations -->
<!-- MSH field declarations -->
<!-- ENTITY % MSH.1.CONTENT "%ST;" -->
<!-- ELEMENT MSH.1 %MSH.1.CONTENT -->
<!-- ENTITY % MSH.1.ATTRIBUTES "Item CDATA #FIXED '1'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Field Separator'
    Type CDATA #FIXED 'ST'">
<!-- MSH.1 field declarations -->
<!-- ENTITY % MSH.2 .CONTENT "%ST;" -->
<!-- ELEMENT MSH.2 %MSH.2.CONTENT -->
<!-- ENTITY % MSH.2.ATTRIBUTES "Item CDATA #FIXED '2'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Encoding Characters'
    Type CDATA #FIXED 'ST'">
<!-- MSH.2 field declarations -->
<!-- ENTITY % MSH.3.CONTENT "%HD;" -->
<!-- ELEMENT MSH.3 %MSH.3.CONTENT -->
<!-- ENTITY % MSH.3.ATTRIBUTES "Item CDATA #FIXED '3'
    Table CDATA #FIXED '361'
    LongName CDATA #FIXED 'Sending Application'
    Type CDATA #FIXED 'HD'">
<!-- MSH.3 field declarations -->
<!-- ENTITY % MSH.4.CONTENT "%HD;" -->
<!-- ELEMENT MSH.4 %MSH.4.CONTENT -->
<!-- ENTITY % MSH.4.ATTRIBUTES "Item CDATA #FIXED '4'
    Table CDATA #FIXED '362'
    LongName CDATA #FIXED 'Sending Facility'
    Type CDATA #FIXED 'HD'">
<!-- MSH.4 field declarations -->
<!-- ENTITY % MSH.5.CONTENT "%HD;" -->
<!-- ELEMENT MSH.5 %MSH.5.CONTENT -->
<!-- ENTITY % MSH.5.ATTRIBUTES "Item CDATA #FIXED '5'
    Table CDATA #FIXED '361'
    LongName CDATA #FIXED 'Receiving Application'
    Type CDATA #FIXED 'HD'">

```

FIG. 27-B

```

<!ATTLIST MSH.5 %MSH.5.ATTRIBUTES; >
<!ENTITY % MSH.6.CONTENT "%HD;">
<!ELEMENT MSH.6 %MSH.6.CONTENT;>
<!ENTITY % MSH.6.ATTRIBUTES "Item CDATA #FIXED '6'
    Table CDATA #FIXED '362'
    LongName CDATA #FIXED 'Receiving Facility'
    Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.6 %MSH.6.ATTRIBUTES; >
<!ENTITY % MSH.7.CONTENT "%TS;">
<!ELEMENT MSH.7 %MSH.7.CONTENT;>
<!ENTITY % MSH.7.ATTRIBUTES "Item CDATA #FIXED '7'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Date/Time Of Message'
    Type CDATA #FIXED 'TS'">
<!ATTLIST MSH.7 %MSH.7.ATTRIBUTES; >
<!ENTITY % MSH.8.CONTENT "%ST;">
<!ELEMENT MSH.8 %MSH.8.CONTENT;>
<!ENTITY % MSH.8.ATTRIBUTES "Item CDATA #FIXED '8'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Security'
    Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.8 %MSH.8.ATTRIBUTES; >
<!ENTITY % MSH.9.CONTENT "%CM_MSG_TYPE;">
<!ELEMENT MSH.9 %MSH.9.CONTENT;>
<!ENTITY % MSH.9.ATTRIBUTES "Item CDATA #FIXED '9'
    Table CDATA #FIXED '76'
    LongName CDATA #FIXED 'Message Type'
    Type CDATA #FIXED 'CM_MSG_TYPE'">
<!ATTLIST MSH.9 %MSH.9.ATTRIBUTES; >
<!ENTITY % MSH.10.CONTENT "%ST;">
<!ELEMENT MSH.10 %MSH.10.CONTENT;>
<!ENTITY % MSH.10.ATTRIBUTES "Item CDATA #FIXED '10'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Message Control ID'
    Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.10 %MSH.10.ATTRIBUTES; >
<!ENTITY % MSH.11.CONTENT "%PT;">
<!ELEMENT MSH.11 %MSH.11.CONTENT;>
<!ENTITY % MSH.11.ATTRIBUTES "Item CDATA #FIXED '11'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Processing ID'
    Type CDATA #FIXED 'PT'">
<!ATTLIST MSH.11 %MSH.11.ATTRIBUTES; >
<!ENTITY % MSH.12.CONTENT "%VID;">
<!ELEMENT MSH.12 %MSH.12.CONTENT;>

```

FIG. 27-C

```

<!ENTITY % MSH.12.ATTRIBUTES "Item CDATA #FIXED '12'
    Table CDATA #FIXED '104'
    LongName CDATA #FIXED 'Version ID'
    Type CDATA #FIXED 'VID'">
<!ATTLIST MSH.12 %MSH.12.ATTRIBUTES; >
<!ENTITY % MSH.13.CONTENT "%NM;">
<!ELEMENT MSH.13 %MSH.13.CONTENT;>
<!ENTITY % MSH.13.ATTRIBUTES "Item CDATA #FIXED '13'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Sequence Number'
    Type CDATA #FIXED 'NM'">
<!ATTLIST MSH.13 %MSH.13.ATTRIBUTES; >
<!ENTITY % MSH.14.CONTENT "%ST;">
<!ELEMENT MSH.14 %MSH.14.CONTENT;>
<!ENTITY % MSH.14.ATTRIBUTES "Item CDATA #FIXED '14'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Continuation Pointer'
    Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.14 %MSH.14.ATTRIBUTES; >
<!ENTITY % MSH.15.CONTENT "%ID;">
<!ELEMENT MSH.15 %MSH.15.CONTENT;>
<!ENTITY % MSH.15.ATTRIBUTES "Item CDATA #FIXED '15'
    Table CDATA #FIXED '155'
    LongName CDATA #FIXED 'Accept Acknowledgment Type'
    Type CDATA #FIXED 'ID'">
<!ATTLIST MSH.15 %MSH.15.ATTRIBUTES; >
<!ENTITY % MSH.16.CONTENT "%ID;">
<!ELEMENT MSH.16 %MSH.16.CONTENT;>
<!ENTITY % MSH.16.ATTRIBUTES "Item CDATA #FIXED '16'
    Table CDATA #FIXED '155'
    LongName CDATA #FIXED 'Application Acknowledgment Type'
    Type CDATA #FIXED 'ID'">
<!ATTLIST MSH.16 %MSH.16.ATTRIBUTES; >
<!-- PID Field declarations -->
<!ENTITY % PID.3.CONTENT "%CX;">
<!ELEMENT PID.3 %PID.3.CONTENT;>
<!ENTITY % PID.3.ATTRIBUTES "Item CDATA #FIXED '106'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Patient Identifier List'
    Type CDATA #FIXED 'CX'">
<!ATTLIST PID.3 %PID.3.ATTRIBUTES; >
<!ENTITY % PID.5.CONTENT "%XPN;">
<!ELEMENT PID.5 %PID.5.CONTENT;>
<!ENTITY % PID.5.ATTRIBUTES "Item CDATA #FIXED '108'
    Table CDATA #FIXED '0'

```

FIG. 27-D



```

LongName CDATA #FIXED 'Patient Name'
Type CDATA #FIXED 'XPN'">
<!ATTLIST PID.5  %PID.5.ATTRIBUTES; >
<!ENTITY % PID.6.CONTENT "%XPN;">
<!ELEMENT PID.6 %PID.6.CONTENT;>
<!ENTITY % PID.6.ATTRIBUTES "Item CDATA #FIXED '109'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Mother&apos;s Maiden Name'
Type CDATA #FIXED 'XPN'">
<!ATTLIST PID.6  %PID.6.ATTRIBUTES; >
<!ENTITY % PID.7.CONTENT "%TS;">
<!ELEMENT PID.7 %PID.7.CONTENT;>
<!ENTITY % PID.7.ATTRIBUTES "Item CDATA #FIXED '110'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Date/Time Of Birth'
Type CDATA #FIXED 'TS'">
<!ATTLIST PID.7  %PID.7.ATTRIBUTES; >
<!ENTITY % PID.8.CONTENT "%IS;">
<!ELEMENT PID.8 %PID.8.CONTENT;>
<!ENTITY % PID.8.ATTRIBUTES "Item CDATA #FIXED '111'
Table CDATA #FIXED '1'
LongName CDATA #FIXED 'Administrative Sex'
Type CDATA #FIXED 'IS'">
<!ATTLIST PID.8  %PID.8.ATTRIBUTES; >
<!ENTITY % PID.9.CONTENT "%XPN;">
<!ELEMENT PID.9 %PID.9.CONTENT;>
<!ENTITY % PID.9.ATTRIBUTES "Item CDATA #FIXED '112'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Patient Alias'
Type CDATA #FIXED 'XPN'">
<!ATTLIST PID.9  %PID.9.ATTRIBUTES; >
<!ENTITY % PID.10.CONTENT "%CE;">
<!ELEMENT PID.10 %PID.10.CONTENT;>
<!ENTITY % PID.10.ATTRIBUTES "Item CDATA #FIXED '113'
Table CDATA #FIXED '5'
LongName CDATA #FIXED 'Race'
Type CDATA #FIXED 'CE'">
<!ATTLIST PID.10  %PID.10.ATTRIBUTES; >
<!ENTITY % PID.11.CONTENT "%XAD;">
<!ELEMENT PID.11 %PID.11.CONTENT;>
<!ENTITY % PID.11.ATTRIBUTES "Item CDATA #FIXED '114'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Patient Address'
Type CDATA #FIXED 'XAD'">
<!ATTLIST PID.11  %PID.11.ATTRIBUTES; >

```

FIG. 27-E

```

<!ENTITY % PID.12.CONTENT "%IS;">
<!ELEMENT PID.12 %PID.12.CONTENT;>
<!ENTITY % PID.12.ATTRIBUTES "Item CDATA #FIXED '115'
    Table CDATA #FIXED '289'
    LongName CDATA #FIXED 'County Code'
    Type CDATA #FIXED 'IS'">
<!ATTLIST PID.12 %PID.12.ATTRIBUTES; >
<!ENTITY % PID.13.CONTENT "%XTN;">
<!ELEMENT PID.13 %PID.13.CONTENT;>
<!ENTITY % PID.13.ATTRIBUTES "Item CDATA #FIXED '116'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Phone Number - Home'
    Type CDATA #FIXED 'XTN'">
<!ATTLIST PID.13 %PID.13.ATTRIBUTES; >
<!ENTITY % PID.14.CONTENT "%XTN;">
<!ELEMENT PID.14 %PID.14.CONTENT;>
<!ENTITY % PID.14.ATTRIBUTES "Item CDATA #FIXED '117'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'Phone Number - Business'
    Type CDATA #FIXED 'XTN'">
<!ATTLIST PID.14 %PID.14.ATTRIBUTES; >
<!ENTITY % PID.16.CONTENT "%CE;">
<!ELEMENT PID.16 %PID.16.CONTENT;>
<!ENTITY % PID.16.ATTRIBUTES "Item CDATA #FIXED '119'
    Table CDATA #FIXED '2'
    LongName CDATA #FIXED 'Marital Status'
    Type CDATA #FIXED 'CE'">
<!ATTLIST PID.16 %PID.16.ATTRIBUTES; >
<!ENTITY % PID.17.CONTENT "%CE;">
<!ELEMENT PID.17 %PID.17.CONTENT;>
<!ENTITY % PID.17.ATTRIBUTES "Item CDATA #FIXED '120'
    Table CDATA #FIXED '6'
    LongName CDATA #FIXED 'Religion'
    Type CDATA #FIXED 'CE'">
<!ATTLIST PID.17 %PID.17.ATTRIBUTES; >
<!ENTITY % PID.19.CONTENT "%ST;">
<!ELEMENT PID.19 %PID.19.CONTENT;>
<!ENTITY % PID.19.ATTRIBUTES "Item CDATA #FIXED '122'
    Table CDATA #FIXED '0'
    LongName CDATA #FIXED 'SSN Number - Patient'
    Type CDATA #FIXED 'ST'">
<!ATTLIST PID.19 %PID.19.ATTRIBUTES; >
<!ENTITY % PID.20.CONTENT "%DLN;">
<!ELEMENT PID.20 %PID.20.CONTENT;>
<!ENTITY % PID.20.ATTRIBUTES "Item CDATA #FIXED '123'

```

FIG. 27-F

```

Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Driver&apos;s License Number - Patient'
Type CDATA #FIXED 'DLN' ">
<!ATTLIST PID.20  %PID.20.ATTRIBUTES; >
<!ENTITY % PID.22.CONTENT "%CE;">
<!ELEMENT PID.22 %PID.22.CONTENT;>
<!ENTITY % PID.22.ATTRIBUTES "Item CDATA #FIXED '125'
Table CDATA #FIXED '189'
LongName CDATA #FIXED 'Ethnic Group'
Type CDATA #FIXED 'CE' ">
<!ATTLIST PID.22  %PID.22.ATTRIBUTES; >
<!ENTITY % PID.23.CONTENT "%ST;">
<!ELEMENT PID.23 %PID.23.CONTENT;>
<!ENTITY % PID.23.ATTRIBUTES "Item CDATA #FIXED '126'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Birth Place'
Type CDATA #FIXED 'ST' ">
ATTLIST PID.23  %PID.23.ATTRIBUTES; >
<ENTITY % PID.28.CONTENT "%CE;">
<ELEMENT PID.28 %PID.28.CONTENT;>
<ENTITY % PID.28.ATTRIBUTES "Item CDATA #FIXED '739'
Table CDATA #FIXED '212'
LongName CDATA #FIXED 'Nationality'
Type CDATA #FIXED 'CE' ">
ATTLIST PID.28  %PID.28.ATTRIBUTES; >

```

FIG. 27-G

# Universal Person Object

## Transient Class Hierarchy

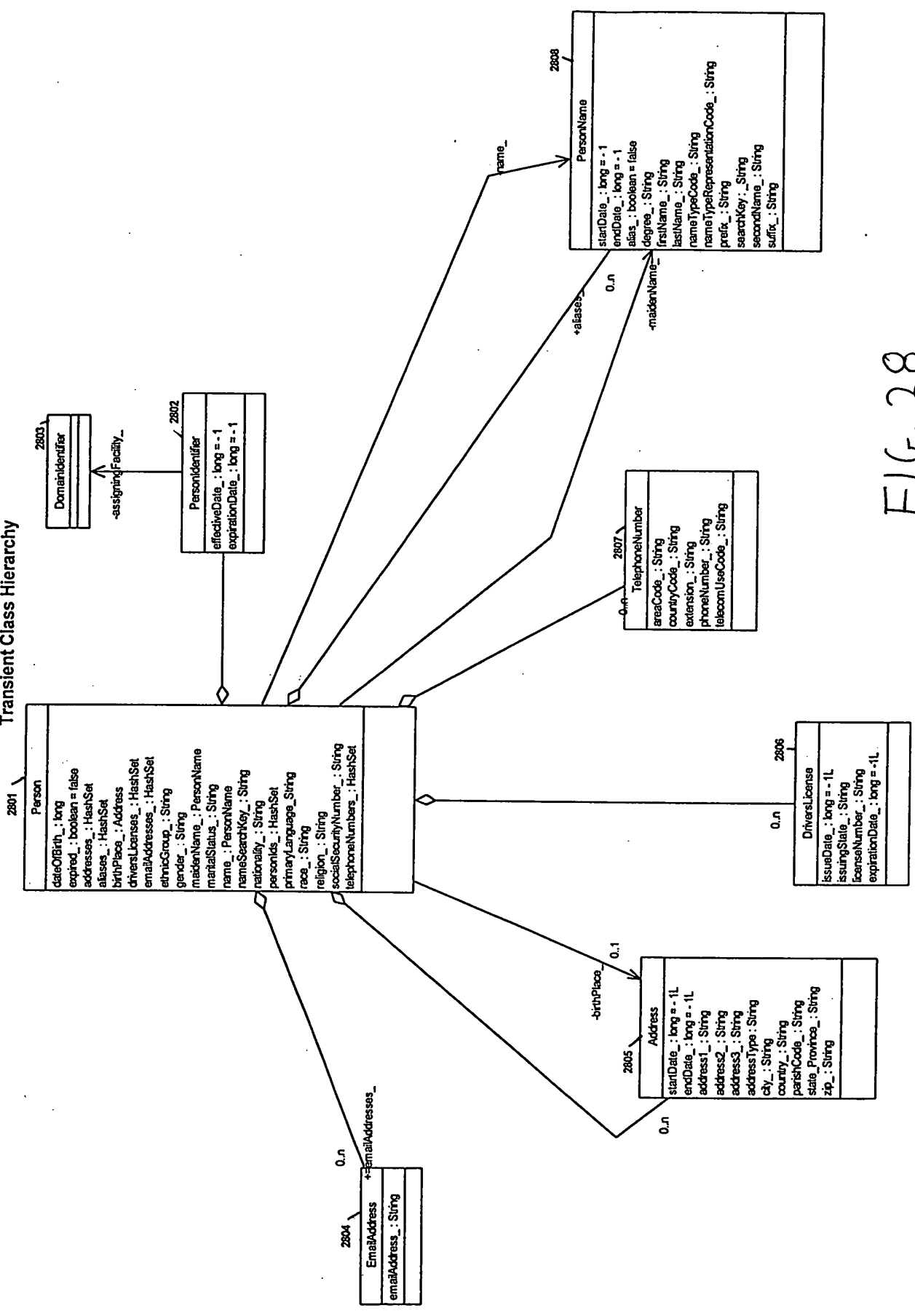


FIG. 28

FIG. 29

2901

2902

2903

2904

2905

2906

2907

2908

2909

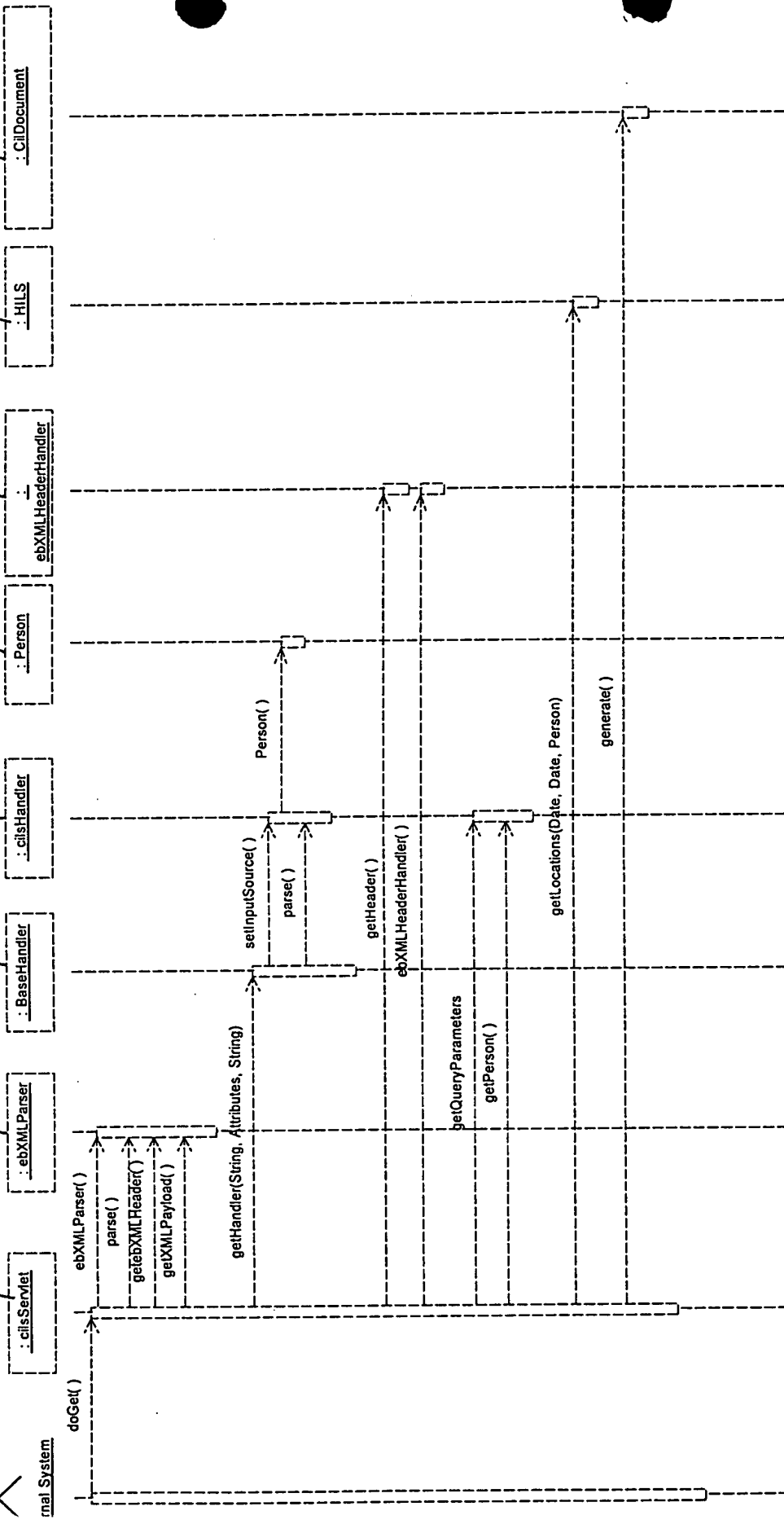


FIG. 29

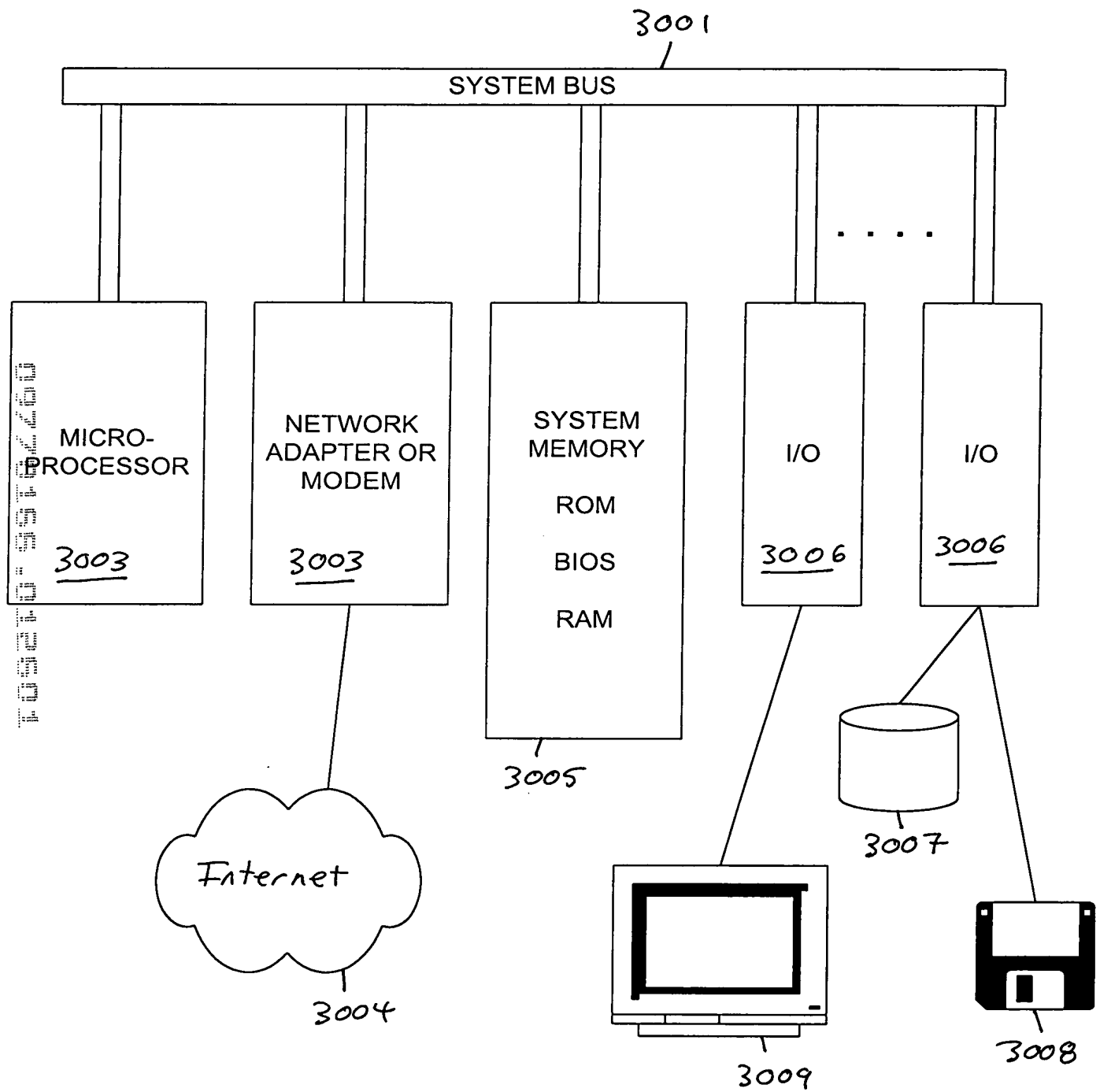


FIG. 30